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<140> 09/647,544

<141> 2000-10-26

<150> PCT/SE99/00544

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<150> SE 9900319.6

<151> 1999-01-28

<150> SE 9801164-6

<151> 1998-04-02

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<170> PatentIn Ver. 3.3

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ttt gat ggc tct ggc cag agg ttg tcc cct cgg agg ctc cgg ctc agt		2211	
Phe Asp Gly Ser Gly Gln Arg Leu Ser Pro Arg Arg Leu Arg Leu Ser			
715	720	725	730
gtg ggg aat gtc act tgt gag cag cta cac ttc cat gtg ctg gat aca		2259	
Val Gly Asn Val Thr Cys Glu Gln Leu His Phe His Val Leu Asp Thr			
735	740	745	
tca gat tac ctc cgg cca gtg gcc ttg act gtg acc ttt gcc ttg gac		2307	
Ser Asp Tyr Leu Arg Pro Val Ala Leu Thr Val Thr Phe Ala Leu Asp			
750	755	760	
aat act aca aag cca ggg cct gtg ctg aat gag ggc tca ccc acc tct		2355	
Asn Thr Thr Lys Pro Gly Pro Val Leu Asn Glu Gly Ser Pro Thr Ser			
765	770	775	
ata caa aag ctg gtc ccc ttc tca aag gat tgt ggc cct gac aat gaa		2403	
Ile Gln Lys Leu Val Pro Phe Ser Lys Asp Cys Gly Pro Asp Asn Glu			
780	785	790	
tgt gtc aca gac ctg gtg ctt caa gtg aat atg gac atc aga ggc tcc		2451	
Cys Val Thr Asp Leu Val Leu Gln Val Asn Met Asp Ile Arg Gly Ser			
795	800	805	810
agg aag gcc cca ttt gtg gtt cga ggt ggc cgg cgg aaa gtg ctg gta		2499	
Arg Lys Ala Pro Phe Val Val Arg Gly Gly Arg Arg Lys Val Leu Val			
815	820	825	
tct aca act ctg gag aac aga aag gaa aat gct tac aat acg agc ctg		2547	
Ser Thr Thr Leu Glu Asn Arg Lys Glu Asn Ala Tyr Asn Thr Ser Leu			
830	835	840	

agt atc atc ttc tct aga aac ctc cac ctg gcc agt ctc act cct cag	2595
Ser Ile Ile Phe Ser Arg Asn Leu His Leu Ala Ser Leu Thr Pro Gln	
845 850 855	
aga gag agc cca ata aag gtg gaa tgt gcc gcc cct tct gct cat gcc	2643
Arg Glu Ser Pro Ile Lys Val Glu Cys Ala Ala Pro Ser Ala His Ala	
860 865 870	
cgg ctc tgc agt gtg ggg cat cct gtc ttc cag act gga gcc aag gtg	2691
Arg Leu Cys Ser Val Gly His Pro Val Phe Gln Thr Gly Ala Lys Val	
875 880 885 890	
acc ttt ctg cta gag ttt gag ttt agc tgc tcc tct ctc ctg agc cag	2739
Thr Phe Leu Leu Glu Phe Glu Phe Ser Cys Ser Ser Leu Leu Ser Gln	
895 900 905	
gtc ttt ggg aag ctg act gcc agc agt gac agc ctg gag aga aat ggc	2787
Val Phe Gly Lys Leu Thr Ala Ser Ser Asp Ser Leu Glu Arg Asn Gly	
910 915 920	
acc ctt caa gaa aac aca gcc cag acc tca gcc tac atc caa tat gag	2835
Thr Leu Gln Glu Asn Thr Ala Gln Thr Ser Ala Tyr Ile Gln Tyr Glu	
925 930 935	
ccc cac ctc ctg ttc tct agt gag tct acc ctg cac cgc tat gag gtt	2883
Pro His Leu Leu Phe Ser Ser Glu Ser Thr Leu His Arg Tyr Glu Val	
940 945 950	
cac cca tat ggg acc ctc cca gtg ggt cct ggc cca gaa ttc aaa acc	2931
His Pro Tyr Gly Thr Leu Pro Val Gly Pro Gly Pro Glu Phe Lys Thr	
955 960 965 970	
act ctc agg act aac aat gca agc tgc ata gtg cag aac ctg act gaa	2979
Thr Leu Arg Thr Asn Asn Ala Ser Cys Ile Val Gln Asn Leu Thr Glu	
975 980 985	
ccc cca ggc cca cct gtg cat cca gag gag ctt caa cac aca aac aga	3027
Pro Pro Gly Pro Pro Val His Pro Glu Glu Leu Gln His Thr Asn Arg	
990 995 1000	
ctg aat ggg agc aat act cag tgt cag gtg gtg agg tgc cac ctt ggg	3075
Leu Asn Gly Ser Asn Thr Gln Cys Gln Val Val Arg Cys His Leu Gly	
1005 1010 1015	
cag ctg gca aag ggg act gag gtc tct gtt gga cta ttg agg ctg gtt	3123
Gln Leu Ala Lys Gly Thr Glu Val Ser Val Gly Leu Leu Arg Leu Val	
1020 1025 1030	
cac aat gaa ttt ttc cga aga gcc aag ttc aag tcc ctg acg gtg gtc	3171
His Asn Glu Phe Phe Arg Arg Ala Lys Phe Lys Ser Leu Thr Val Val	
1035 1040 1045 1050	
agc acc ttt gag ctg gga acc gaa gag ggc agt gtc cta cag ctg act	3219
Ser Thr Phe Glu Leu Gly Thr Glu Glu Gly Ser Val Leu Gln Leu Thr	
1055 1060 1065	

gaa gcc tcc cgt tgg agt gag agc ctc ttg gag gtg gtt cag acc cgg 3267
 Glu Ala Ser Arg Trp Ser Glu Ser Leu Leu Glu Val Val Gln Thr Arg
 1070 1075 1080

 cct atc ctc atc tcc ctg tgg atc ctc ata ggc agt gtc ctg gga ggg 3315
 Pro Ile Leu Ile Ser Leu Trp Ile Leu Ile Gly Ser Val Leu Gly Gly
 1085 1090 1095

 ttg ctc ctg ctt ctc ctt gtc ttc tgc ctg tgg aag ctt ggc ttc 3363
 Leu Leu Leu Ala Leu Leu Val Phe Cys Leu Trp Lys Leu Gly Phe
 1100 1105 1110

 ttt gcc cat aag aaa atc cct gag gaa gaa aaa aga gaa gag aag ttg 3411
 Phe Ala His Lys Lys Ile Pro Glu Glu Glu Lys Arg Glu Glu Lys Leu
 1115 1120 1125 1130

 gag caa tgaatgtaga ataagggtct agaaagtcct ccctggcagc tttttcaag 3467
 Glu Gln

 agacttgcataaaaggcagag gtttgggggc tcagatggga caagaagccg cctctggact 3527
 atctcccccag accagcagcc tgacttgact tttgagtcct agggatgctg ctggctagag 3587
 atgaggcttt acctcagaca agaagagctg gcacccaaac tagccatgct cccaccctct 3647
 gcttcctcc tcctcgtgat cctgggtcca tagccaacac tggggctttt gtttggggtc 3707
 cttttatccc caggaatcaa taatttttt gccttagaaaa aaaaaaaagcg gccgcgaatt 3767
 cgatatacaag ct 3779

 <210> 3
 <211> 143
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> CDS
 <222> (2)...(142)

 <400> 3
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 Gly His Met Val Gln Asn Leu Gly Cys Tyr Val Val Ser Gly Leu Ile
 1 5 10 15

 atc tcc gct ctg ctg ccg gct gtt gct cac ggt ggt aac tac ttc cta 97
 Ile Ser Ala Leu Leu Pro Ala Val Ala His Gly Gly Asn Tyr Phe Leu
 20 25 30

 agc ttg tcc cag gtt atc agc ggc ctg gtg ccg cgc gga tcc ccc c 143
 Ser Leu Ser Gln Val Ile Ser Gly Leu Val Pro Arg Gly Ser Pro
 35 40 45

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<210> 4
<211> 1167
<212> PRT
<213> Homo sapiens

<400> 4
Met Glu Leu Pro Phe Val Thr His Leu Phe Leu Pro Leu Val Phe Leu
1 5 10 15

Thr Gly Leu Cys Ser Pro Phe Asn Leu Asp Glu His His Pro Arg Leu
20 25 30

Phe Pro Gly Pro Pro Glu Ala Glu Phe Gly Tyr Ser Val Leu Gln His
35 40 45

Val Gly Gly Gln Arg Trp Met Leu Val Gly Ala Pro Trp Asp Gly
50 55 60

Pro Ser Gly Asp Arg Arg Gly Asp Val Tyr Arg Cys Pro Val Gly Gly
65 70 75 80

Ala His Asn Ala Pro Cys Ala Lys Gly His Leu Gly Asp Tyr Gln Leu
85 90 95

Gly Asn Ser Ser His Pro Ala Val Asn Met His Leu Gly Met Ser Leu
100 105 110

Leu Glu Thr Asp Gly Asp Gly Phe Met Ala Cys Ala Pro Leu Trp
115 120 125

Ser Arg Ala Cys Gly Ser Ser Val Phe Ser Ser Gly Ile Cys Ala Arg
130 135 140

Val Asp Ala Ser Phe Gln Pro Gln Gly Ser Leu Ala Pro Thr Ala Gln
145 150 155 160

Arg Cys Pro Thr Tyr Met Asp Val Val Ile Val Leu Asp Gly Ser Asn
165 170 175

Ser Ile Tyr Pro Trp Ser Glu Val Gln Thr Phe Leu Arg Arg Leu Val
180 185 190

Gly Lys Leu Phe Ile Asp Pro Glu Gln Ile Gln Val Gly Leu Val Gln
195 200 205

Tyr Gly Glu Ser Pro Val His Glu Trp Ser Leu Gly Asp Phe Arg Thr
210 215 220

Lys Glu Glu Val Val Arg Ala Ala Lys Asn Leu Ser Arg Arg Glu Gly
225 230 235 240

Arg Glu Thr Lys Thr Ala Gln Ala Ile Met Val Ala Cys Thr Glu Gly
245 250 255

Phe Ser Gln Ser His Gly Gly Arg Pro Glu Ala Ala Arg Leu Leu Val
260 265 270

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Val Val Thr Asp Gly Glu Ser His Asp Gly Glu Glu Leu Pro Ala Ala
 275 280 285

Leu Lys Ala Cys Glu Ala Gly Arg Val Thr Arg Tyr Gly Ile Ala Val
 290 295 300

Leu Gly His Tyr Leu Arg Arg Gln Arg Asp Pro Ser Ser Phe Leu Arg
 305 310 315 320

Glu Ile Arg Thr Ile Ala Ser Asp Pro Asp Glu Arg Phe Phe Phe Asn
 325 330 335

Val Thr Asp Glu Ala Ala Leu Thr Asp Ile Val Asp Ala Leu Gly Asp
 340 345 350

Arg Ile Phe Gly Leu Glu Gly Ser His Ala Glu Asn Glu Ser Ser Phe
 355 360 365

Gly Leu Glu Met Ser Gln Ile Gly Phe Ser Thr His Arg Leu Lys Asp
 370 375 380

Gly Ile Leu Phe Gly Met Val Gly Ala Tyr Asp Trp Gly Gly Ser Val
 385 390 395 400

Leu Trp Leu Glu Gly Gly His Arg Leu Phe Pro Pro Arg Met Ala Leu
 405 410 415

Glu Asp Glu Phe Pro Pro Ala Leu Gln Asn His Ala Ala Tyr Leu Gly
 420 425 430

Tyr Ser Val Ser Ser Met Leu Leu Arg Gly Gly Arg Arg Leu Phe Leu
 435 440 445

Ser Gly Ala Pro Arg Phe Arg His Arg Gly Lys Val Ile Ala Phe Gln
 450 455 460

Leu Lys Lys Asp Gly Ala Val Arg Val Ala Gln Ser Leu Gln Gly Glu
 465 470 475 480

Gln Ile Gly Ser Tyr Phe Gly Ser Glu Leu Cys Pro Leu Asp Thr Asp
 485 490 495

Arg Asp Gly Thr Thr Asp Val Leu Leu Val Ala Ala Pro Met Phe Leu
 500 505 510

Gly Pro Gln Asn Lys Glu Thr Gly Arg Val Tyr Val Tyr Leu Val Gly
 515 520 525

Gln Gln Ser Leu Leu Thr Leu Gln Gly Thr Leu Gln Pro Glu Pro Pro
 530 535 540

Gln Asp Ala Arg Phe Gly Phe Ala Met Gly Ala Leu Pro Asp Leu Asn
 545 550 555 560

Gln Asp Gly Phe Ala Asp Val Ala Val Gly Ala Pro Leu Glu Asp Gly
 565 570 575

His Gln Gly Ala Leu Tyr Leu Tyr His Gly Thr Gln Ser Gly Val Arg
 580 585 590
 Pro His Pro Ala Gln Arg Ile Ala Ala Ala Ser Met Pro His Ala Leu
 595 600 605
 Ser Tyr Phe Gly Arg Ser Val Asp Gly Arg Leu Asp Leu Asp Gly Asp
 610 615 620
 Asp Leu Val Asp Val Ala Val Gly Ala Gln Gly Ala Ala Ile Leu Leu
 625 630 635 640
 Ser Ser Arg Pro Ile Val His Leu Thr Pro Ser Leu Glu Val Thr Pro
 645 650 655
 Gln Ala Ile Ser Val Val Gln Arg Asp Cys Arg Arg Arg Gly Gln Glu
 660 665 670
 Ala Val Cys Leu Thr Ala Ala Leu Cys Phe Gln Val Thr Ser Arg Thr
 675 680 685
 Pro Gly Arg Trp Asp His Gln Phe Tyr Met Arg Phe Thr Ala Ser Leu
 690 695 700
 Asp Glu Trp Thr Ala Gly Ala Arg Ala Ala Phe Asp Gly Ser Gly Gln
 705 710 715 720
 Arg Leu Ser Pro Arg Arg Leu Arg Leu Ser Val Gly Asn Val Thr Cys
 725 730 735
 Glu Gln Leu His Phe His Val Leu Asp Thr Ser Asp Tyr Leu Arg Pro
 740 745 750
 Val Ala Leu Thr Val Thr Phe Ala Leu Asp Asn Thr Thr Lys Pro Gly
 755 760 765
 Pro Val Leu Asn Glu Gly Ser Pro Thr Ser Ile Gln Lys Leu Val Pro
 770 775 780
 Phe Ser Lys Asp Cys Gly Pro Asp Asn Glu Cys Val Thr Asp Leu Val
 785 790 795 800
 Leu Gln Val Asn Met Asp Ile Arg Gly Ser Arg Lys Ala Pro Phe Val
 805 810 815
 Val Arg Gly Gly Arg Arg Lys Val Leu Val Ser Thr Thr Leu Glu Asn
 820 825 830
 Arg Lys Glu Asn Ala Tyr Asn Thr Ser Leu Ser Ile Ile Phe Ser Arg
 835 840 845
 Asn Leu His Leu Ala Ser Leu Thr Pro Gln Arg Glu Ser Pro Ile Lys
 850 855 860
 Val Glu Cys Ala Ala Pro Ser Ala His Ala Arg Leu Cys Ser Val Gly
 865 870 875 880

His Pro Val Phe Gln Thr Gly Ala Lys Val Thr Phe Leu Leu Glu Phe
 885 890 895

Glu Phe Ser Cys Ser Ser Leu Leu Ser Gln Val Phe Gly Lys Leu Thr
 900 905 910

Ala Ser Ser Asp Ser Leu Glu Arg Asn Gly Thr Leu Gln Glu Asn Thr
 915 920 925

Ala Gln Thr Ser Ala Tyr Ile Gln Tyr Glu Pro His Leu Leu Phe Ser
 930 935 940

Ser Glu Ser Thr Leu His Arg Tyr Glu Val His Pro Tyr Gly Thr Leu
 945 950 955 960

Pro Val Gly Pro Gly Pro Glu Phe Lys Thr Thr Leu Arg Val Gln Asn
 965 970 975

Leu Gly Cys Tyr Val Val Ser Gly Leu Ile Ile Ser Ala Leu Leu Pro
 980 985 990

Ala Val Ala His Gly Gly Asn Tyr Phe Leu Ser Leu Ser Gln Val Ile
 995 1000 1005

Thr Asn Asn Ala Ser Cys Ile Val Gln Asn Leu Thr Glu Pro Pro Gly
 1010 1015 1020

Pro Pro Val His Pro Glu Glu Leu Gln His Thr Asn Arg Leu Asn Gly
 1025 1030 1035 1040

Ser Asn Thr Gln Cys Gln Val Val Arg Cys His Leu Gly Gln Leu Ala
 1045 1050 1055

Lys Gly Thr Glu Val Ser Val Gly Leu Leu Arg Leu Val His Asn Glu
 1060 1065 1070

Phe Phe Arg Arg Ala Lys Phe Lys Ser Leu Thr Val Val Ser Thr Phe
 1075 1080 1085

Glu Leu Gly Thr Glu Glu Gly Ser Val Leu Gln Leu Thr Glu Ala Ser
 1090 1095 1100

Arg Trp Ser Glu Ser Leu Leu Glu Val Val Gln Thr Arg Pro Ile Leu
 1105 1110 1115 1120

Ile Ser Leu Trp Ile Leu Ile Gly Ser Val Leu Gly Gly Leu Leu Leu
 1125 1130 1135

Leu Ala Leu Leu Val Phe Cys Leu Trp Lys Leu Gly Phe Phe Ala His
 1140 1145 1150

Lys Lys Ile Pro Glu Glu Lys Arg Glu Glu Lys Leu Glu Gln
 1155 1160 1165

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<210> 5
<211> 1132
<212> PRT
<213> Homo sapiens

<400> 5
Met Glu Leu Pro Phe Val Thr His Leu Phe Leu Pro Leu Val Phe Leu
1 5 10 15

Thr Gly Leu Cys Ser Pro Phe Asn Leu Asp Glu His His Pro Arg Leu
20 25 30

Phe Pro Gly Pro Pro Glu Ala Glu Phe Gly Tyr Ser Val Leu Gln His
35 40 45

Val Gly Gly Gln Arg Trp Met Leu Val Gly Ala Pro Trp Asp Gly
50 55 60

Pro Ser Gly Asp Arg Arg Gly Asp Val Tyr Arg Cys Pro Val Gly Gly
65 70 75 80

Ala His Asn Ala Pro Cys Ala Lys Gly His Leu Gly Asp Tyr Gln Leu
85 90 95

Gly Asn Ser Ser His Pro Ala Val Asn Met His Leu Gly Met Ser Leu
100 105 110

Leu Glu Thr Asp Gly Asp Gly Phe Met Ala Cys Ala Pro Leu Trp
115 120 125

Ser Arg Ala Cys Gly Ser Ser Val Phe Ser Ser Gly Ile Cys Ala Arg
130 135 140

Val Asp Ala Ser Phe Gln Pro Gln Gly Ser Leu Ala Pro Thr Ala Gln
145 150 155 160

Arg Cys Pro Thr Tyr Met Asp Val Val Ile Val Leu Asp Gly Ser Asn
165 170 175

Ser Ile Tyr Pro Trp Ser Glu Val Gln Thr Phe Leu Arg Arg Leu Val
180 185 190

Gly Lys Leu Phe Ile Asp Pro Glu Gln Ile Gln Val Gly Leu Val Gln
195 200 205

Tyr Gly Glu Ser Pro Val His Glu Trp Ser Leu Gly Asp Phe Arg Thr
210 215 220

Lys Glu Glu Val Val Arg Ala Ala Lys Asn Leu Ser Arg Arg Glu Gly
225 230 235 240

Arg Glu Thr Lys Thr Ala Gln Ala Ile Met Val Ala Cys Thr Glu Gly
245 250 255

Phe Ser Gln Ser His Gly Gly Arg Pro Glu Ala Ala Arg Leu Leu Val
260 265 270

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Val Val Thr Asp Gly Glu Ser His Asp Gly Glu Glu Leu Pro Ala Ala
 275 280 285

Leu Lys Ala Cys Glu Ala Gly Arg Val Thr Arg Tyr Gly Ile Ala Val
 290 295 300

Leu Gly His Tyr Leu Arg Arg Gln Arg Asp Pro Ser Ser Phe Leu Arg
 305 310 315 320

Glu Ile Arg Thr Ile Ala Ser Asp Pro Asp Glu Arg Phe Phe Phe Asn
 325 330 335

Val Thr Asp Glu Ala Ala Leu Thr Asp Ile Val Asp Ala Leu Gly Asp
 340 345 350

Arg Ile Phe Gly Leu Glu Gly Ser His Ala Glu Asn Glu Ser Ser Phe
 355 360 365

Gly Leu Glu Met Ser Gln Ile Gly Phe Ser Thr His Arg Leu Lys Asp
 370 375 380

Gly Ile Leu Phe Gly Met Val Gly Ala Tyr Asp Trp Gly Gly Ser Val
 385 390 395 400

Leu Trp Leu Glu Gly Gly His Arg Leu Phe Pro Pro Arg Met Ala Leu
 405 410 415

Glu Asp Glu Phe Pro Pro Ala Leu Gln Asn His Ala Ala Tyr Leu Gly
 420 425 430

Tyr Ser Val Ser Ser Met Leu Leu Arg Gly Gly Arg Arg Leu Phe Leu
 435 440 445

Ser Gly Ala Pro Arg Phe Arg His Arg Gly Lys Val Ile Ala Phe Gln
 450 455 460

Leu Lys Lys Asp Gly Ala Val Arg Val Ala Gln Ser Leu Gln Gly Glu
 465 470 475 480

Gln Ile Gly Ser Tyr Phe Gly Ser Glu Leu Cys Pro Leu Asp Thr Asp
 485 490 495

Arg Asp Gly Thr Thr Asp Val Leu Leu Val Ala Ala Pro Met Phe Leu
 500 505 510

Gly Pro Gln Asn Lys Glu Thr Gly Arg Val Tyr Val Tyr Leu Val Gly
 515 520 525

Gln Gln Ser Leu Leu Thr Leu Gln Gly Thr Leu Gln Pro Glu Pro Pro
 530 535 540

Gln Asp Ala Arg Phe Gly Phe Ala Met Gly Ala Leu Pro Asp Leu Asn
 545 550 555 560

Gln Asp Gly Phe Ala Asp Val Ala Val Gly Ala Pro Leu Glu Asp Gly
 565 570 575

His Gln Gly Ala Leu Tyr Leu Tyr His Gly Thr Gln Ser Gly Val Arg
 580 585 590
 Pro His Pro Ala Gln Arg Ile Ala Ala Ala Ser Met Pro His Ala Leu
 595 600 605
 Ser Tyr Phe Gly Arg Ser Val Asp Gly Arg Leu Asp Leu Asp Gly Asp
 610 615 620
 Asp Leu Val Asp Val Ala Val Gly Ala Gln Gly Ala Ala Ile Leu Leu
 625 630 635 640
 Ser Ser Arg Pro Ile Val His Leu Thr Pro Ser Leu Glu Val Thr Pro
 645 650 655
 Gln Ala Ile Ser Val Val Gln Arg Asp Cys Arg Arg Gly Gln Glu
 660 665 670
 Ala Val Cys Leu Thr Ala Ala Leu Cys Phe Gln Val Thr Ser Arg Thr
 675 680 685
 Pro Gly Arg Trp Asp His Gln Phe Tyr Met Arg Phe Thr Ala Ser Leu
 690 695 700
 Asp Glu Trp Thr Ala Gly Ala Arg Ala Ala Phe Asp Gly Ser Gly Gln
 705 710 715 720
 Arg Leu Ser Pro Arg Arg Leu Arg Leu Ser Val Gly Asn Val Thr Cys
 725 730 735
 Glu Gln Leu His Phe His Val Leu Asp Thr Ser Asp Tyr Leu Arg Pro
 740 745 750
 Val Ala Leu Thr Val Thr Phe Ala Leu Asp Asn Thr Thr Lys Pro Gly
 755 760 765
 Pro Val Leu Asn Glu Gly Ser Pro Thr Ser Ile Gln Lys Leu Val Pro
 770 775 780
 Phe Ser Lys Asp Cys Gly Pro Asp Asn Glu Cys Val Thr Asp Leu Val
 785 790 795 800
 Leu Gln Val Asn Met Asp Ile Arg Gly Ser Arg Lys Ala Pro Phe Val
 805 810 815
 Val Arg Gly Gly Arg Arg Lys Val Leu Val Ser Thr Thr Leu Glu Asn
 820 825 830
 Arg Lys Glu Asn Ala Tyr Asn Thr Ser Leu Ser Ile Ile Phe Ser Arg
 835 840 845
 Asn Leu His Leu Ala Ser Leu Thr Pro Gln Arg Glu Ser Pro Ile Lys
 850 855 860
 Val Glu Cys Ala Ala Pro Ser Ala His Ala Arg Leu Cys Ser Val Gly
 865 870 875 880

His Pro Val Phe Gln Thr Gly Ala Lys Val Thr Phe Leu Leu Glu Phe
 885 890 895

Glu Phe Ser Cys Ser Ser Leu Leu Ser Gln Val Phe Gly Lys Leu Thr
 900 905 910

Ala Ser Ser Asp Ser Leu Glu Arg Asn Gly Thr Leu Gln Glu Asn Thr
 915 920 925

Ala Gln Thr Ser Ala Tyr Ile Gln Tyr Glu Pro His Leu Leu Phe Ser
 930 935 940

Ser Glu Ser Thr Leu His Arg Tyr Glu Val His Pro Tyr Gly Thr Leu
 945 950 955 960

Pro Val Gly Pro Gly Pro Glu Phe Lys Thr Thr Leu Arg Thr Asn Asn
 965 970 975

Ala Ser Cys Ile Val Gln Asn Leu Thr Glu Pro Pro Gly Pro Pro Val
 980 985 990

His Pro Glu Glu Leu Gln His Thr Asn Arg Leu Asn Gly Ser Asn Thr
 995 1000 1005

Gln Cys Gln Val Val Arg Cys His Leu Gly Gln Leu Ala Lys Gly Thr
 1010 1015 1020

Glu Val Ser Val Gly Leu Leu Arg Leu Val His Asn Glu Phe Phe Arg
 1025 1030 1035 1040

Arg Ala Lys Phe Lys Ser Leu Thr Val Val Ser Thr Phe Glu Leu Gly
 1045 1050 1055

Thr Glu Glu Gly Ser Val Leu Gln Leu Thr Glu Ala Ser Arg Trp Ser
 1060 1065 1070

Glu Ser Leu Leu Glu Val Val Gln Thr Arg Pro Ile Leu Ile Ser Leu
 1075 1080 1085

Trp Ile Leu Ile Gly Ser Val Leu Gly Leu Leu Leu Ala Leu
 1090 1095 1100

Leu Val Phe Cys Leu Trp Lys Leu Gly Phe Phe Ala His Lys Lys Ile
 1105 1110 1115 1120

Pro Glu Glu Glu Lys Arg Glu Glu Lys Leu Glu Gln
 1125 1130

<210> 6
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 6
 Gly His Met Val Gln Asn Leu Gly Cys Tyr Val Val Ser Gly Leu Ile
 1 5 10 15

Ile Ser Ala Leu Leu Pro Ala Val Ala His Gly Gly Asn Tyr Phe Leu
 20 25 30

Ser Leu Ser Gln Val Ile Ser Gly Leu Val Pro Arg Gly Ser Pro
 35 40 45

<210> 7
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 7
 Lys Leu Gly Phe Phe Ala His Lys Lys Ile Pro Glu Glu Glu Lys Arg
 1 5 10 15

Glu Glu Lys Leu Glu Gln
 20

<210> 8
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 8
 Lys Leu Gly Phe Phe Ala His
 1 5

<210> 9
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<220>
 <221> modified_base
 <222> (9)
 <223> Inosine

<220>
 <221> modified_base
 <222> (12)
 <223> Inosine

<400> 9
 gayaayacng cncarac

17

<210> 10
 <211> 6
 <212> PRT
 <213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 10
Asp Asn Thr Ala Gln Thr
1           5

<210> 11
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      primer

<220>
<221> modified_base
<222> (2)
<223> Inosine

<220>
<221> modified_base
<222> (5)
<223> Inosine

<220>
<221> modified_base
<222> (14)
<223> Inosine

<400> 11
tnatnswrtg rtgnggyt                                         18

<210> 12
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 12
Glu Pro His His Ser Ile
1           5

<210> 13
<211> 18
<212> DNA
<213> Artificial Sequence
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<220>
<223> Description of Artificial Sequence: Synthetic
      primer

<400> 13
      tcagccatac ttcagttat                                18

<210> 14
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 14
      Ser Ala Tyr Ile Gln Tyr
      1             5

<210> 15
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      primer

<220>
<221> modified_base
<222> (1)
<223> Inosine

<220>
<221> modified_base
<222> (13)
<223> Inosine

<220>
<221> modified_base
<222> (16)
<223> Inosine

<400> 15
      nckrtcccar tgnccnngg                                18

<210> 16
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

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<400> 16
Pro Gly His Trp Asp Arg
 1           5

<210> 17
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      primer

<400> 17
aactcgtctt ccagtgccat tcgtggg                                27

<210> 18
<211> 61
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      primer

<400> 18
gttcagaacc tggttgctac gttgttccg gtctgatcat ctccgctctg ctgccggctg 60
t                                         61

<210> 19
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      primer

<400> 19
ggggcatatg gttcagaacc tgggttgcta cgttg                                35

<210> 20
<211> 63
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      primer

<400> 20
gataacctgg gacaagctta ggaagtagtt accaccgtga gcaacagccg gcagcagagc 60
gga                                         63

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<210> 21
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      primer

<400> 21
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<210> 22
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<220>
<221> MOD_RES
<222> (2)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (6)
<223> Arg or Lys

<400> 22
Lys Xaa Gly Phe Phe Xaa Arg
  1           5

<210> 23
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 23
Gly Phe Phe Lys Arg
  1           5

<210> 24
<211> 7
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<400> 37
Xaa Xaa Tyr Glu Xaa Xaa Ile Leu Xaa Gly Gly Xaa Arg Val Xaa Lys
1           5           10           15

Arg Xaa Xaa Xaa Xaa Leu Leu Xaa Xaa Gln Xaa Xaa Thr Phe Thr Arg
20          25           30

Xaa Gly Glu
35

<210> 38
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<400> 38
Pro Asp His Xaa Arg
1           5

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<400> 39
Ser Xaa Val Gly Ser Arg Cys Gln Tyr Met Arg Gly Leu Val Arg Gln
1           5           10           15

Thr Xaa Met Leu Phe Ala Asp Ser His Ile Val Ala Xaa Xaa Met Ile
20           25           30

Arg Tyr Asp Leu Xaa Ser Leu Ile Met Asn Xaa Xaa Arg Asp Ala Asn
35           40           45

Glu Ile Arg Leu
50

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Trp Asn Lys Arg Leu Xaa Leu Gln Gln Ala Asn Glu Gly Phe
1           5           10

<210> 41
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<220>
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<400> 41
Ser Arg Ser Leu Arg Arg Arg Glu Thr Val Asp Leu Glu Asp Gln Gly
1 5 10 15

Leu Gln Glu Glu Val Ala Thr Thr Gly Leu Xaa Phe Arg Leu Arg Ser
20 25 30

<210> 42
<211> 91
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<400> 42
Tyr Xaa Leu Val Leu Xaa Val Ile Pro Leu Ser Cys Trp Met Ala Gln
1 5 10 15

Lys Cys Leu Asp Leu Phe Ile Pro Thr Gly Gln Thr Arg Arg Leu Ala
20 25 30

Leu Trp Pro Trp Asp Cys Gly Ala Val Trp Pro His Ile Leu His Ser
35 40 45

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Val Tyr Ser His Pro Asn Leu Ser Leu Xaa Thr Thr Gln Ala Xaa Thr
50 55 60

Asp Xaa Val Val Gln Asp Lys Glu Gly Ala Gln Val Gly Glu Met Glu
65 70 75 80

Ala Glu Met Val His Cys Val Pro Thr Ser Leu
85 90

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Phe Asn Xaa Leu Asp
1 5

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<400> 44
Asn Pro Asp Pro
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<210> 45
<211> 13
<212> PRT
<213> Homo sapiens

<400> 45
Gly Glu Glu Pro Ala Lys Asp Gly Ser Gly Arg Gln Cys
1 5 10

<210> 46
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<400> 46
Gly Lys Ala Pro Ala Gly Leu Cys Ser Trp Thr Ser Phe Ser Pro Ile
1 5 10 15

Ala Arg Ile Ser
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<210> 47
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<400> 47
Leu Phe Pro Leu Ser Leu Cys Leu Glu Ser Ser
1 5 10

<210> 48
<211> 27
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<400> 48
Glu Phe Val Thr Gly Asp Arg Ile Leu Phe Leu Ser Leu Leu Ala Arg
1 5 10 15

Tyr Leu Lys Gly Gly Gly Trp Val Thr Phe Trp
20 25

<210> 49
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<400> 49
Gly Lys Leu Lys Leu Trp Ile Ala Lys Cys
1 5 10

<210> 50
<211> 75
<212> PRT
<213> Homo sapiens

<400> 50
Leu Tyr Ser Phe Phe Leu Lys Pro His Val Ala Phe Phe Phe Pro Ser
1 5 10 15

Thr Leu His Thr Phe Pro Gly Phe Ile Ser Cys Pro Ala Ser Leu Arg
20 25 30

Ser His Arg Cys Arg Leu Phe Glu Ala Ser Pro Leu Gly Leu Pro Gln
35 40 45

Gln Thr Ala Ser Thr Leu Ser Ser Phe Cys Val His Val Asp Ile Arg
50 55 60

Val Ser Phe Pro Thr Trp Leu Leu Leu Phe Leu
65 70 75

<210> 51
<211> 21
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<213> Homo sapiens

<400> 51
Leu Pro Arg Leu Met Pro Cys Leu Ala Ser Ser Cys Lys Tyr Cys Thr
1 5 10 15

Met Ile Leu Cys Lys
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<210> 52
<211> 15
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<400> 52
Leu Val Leu Ala His Arg Ala Ser Lys Pro Ser Arg Leu Thr Asn
1 5 10 15

<210> 53
<211> 30
<212> PRT
<213> Homo sapiens

<400> 53
Arg Ser Ser Leu Leu Thr Asp Phe Phe Ile Gln Phe Lys Met Ala Gly
1 5 10 15

Gly Gly Val Gly Gly Arg Ile Ala Cys Phe His Cys Gly Thr
20 25 30

<210> 54
<211> 5
<212> PRT
<213> Homo sapiens

<400> 54
Ala Gly Leu Lys Leu
1 5

<210> 55

<211> 4

<212> PRT

<213> Homo sapiens

<400> 55

Ala Pro Leu Leu

1

<210> 56

<211> 24

<212> PRT

<213> Homo sapiens

<400> 56

Pro Thr Val Ser Val Thr Val Ser Ser Cys Ser Leu Thr Ser Gly Leu

1

5

10

15

Ser Trp Ser Gly His Cys Lys Pro

20

<210> 57

<211> 20

<212> PRT

<213> Homo sapiens

<400> 57

Leu Ser Asp Cys Gly Trp Leu Ser Leu Ala Leu Ala Ala Asn Met Val

1

5

10

15

Thr Gly Phe His

20

<210> 58

<211> 12

<212> PRT

<213> Homo sapiens

<400> 58

Lys Phe Lys Cys Trp Gly Lys Gly Ala Asp Thr Pro

1

5

10

<210> 59

<211> 13

<212> PRT

<213> Homo sapiens

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Trp Ser Gln Phe Lys Thr Ile Arg Glu Thr Ala Ser Ser

1

5

10

<210> 60

<211> 31

<212> PRT

<213> Homo sapiens

<400> 60

Asp Val Phe Asn Gln Ser Asn Tyr Leu Asp Thr Thr Lys His Thr Cys
1 5 10 15

Leu Gln Ala Val Thr Pro Gln Lys Leu Leu Asp Thr Gln Gln Ala
20 25 30

<210> 61

<211> 34

<212> PRT

<213> Homo sapiens

<400> 61

Leu Ser Gly Leu Ala Arg Ser His Ser Arg Thr Ala Leu His Thr Val
1 5 10 15

Gly Arg Lys Met Leu Leu Ser Leu Leu Ser Ala Val Ile Leu His Ile
20 25 30

Pro Cys

<210> 62

<211> 6

<212> PRT

<213> Homo sapiens

<400> 62

Gly Lys Lys Tyr Cys Leu
1 5

<210> 63

<211> 14

<212> PRT

<213> Homo sapiens

<400> 63

Val Leu Leu Ser Val Pro Asn Trp Arg Lys Leu Leu Asn Lys
1 5 10

<210> 64

<211> 16

<212> PRT

<213> Homo sapiens

<400> 64
 Thr Val His Lys Ser Ser Leu Arg Lys Gly Gln Asn Leu Cys Phe Leu
 1 5 10 15

<210> 65
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 <212> PRT
 <213> Homo sapiens

<400> 65
 Ile Leu Ala Glu Ala Ser Arg Gly Gln His Gln Gly Arg Glu Leu Asp
 1 5 10 15

<210> 66
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 66
 Gly Cys Ser Val Phe Leu Ser Trp Ala Pro His Ser Ser Leu Pro Pro
 1 5 10 15

Pro Leu Pro Phe His Pro Thr Leu Phe Leu Ala Ala Ser Gly Arg Gly
 20 25 30

Gln Asp Arg Arg Glu Ser Asn Glu Asn Ser Gln Gly Glu Gly Gln Ser
 35 40 45

Asn Ser Glu Pro Leu Gly Leu Asp Arg Thr Ser Ala His Gly Val Ser
 50 55 60

Leu His Pro Ser Pro Ala Pro Ala Pro Gly Val Ala Asp Arg
 65 70 75

<210> 67
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 67
 Gly Lys Gln Thr Trp Phe Leu Leu Gly Met Glu Val Met Trp Ile Val
 1 5 10 15

Tyr Asn Trp Asp His Tyr Gly
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<210> 68
<211> 9
<212> PRT
<213> Homo sapiens

<400> 68
Asn Leu Ala Gly Ala Gln Val Gly Gly
1 5

<210> 69
<211> 12
<212> PRT
<213> Homo sapiens

<400> 69
Tyr Arg Cys Tyr Ile Ser Cys Val His Ser Cys Ser
1 5 10

<210> 70
<211> 24
<212> PRT
<213> Homo sapiens

<400> 70
Thr Pro Lys Trp Gln Trp Pro Lys Leu Pro Leu Ala Cys Thr Ser Leu
1 5 10 15

Ser Lys Pro Leu Tyr Leu Ile Ile
20

<210> 71
<211> 41
<212> PRT
<213> Homo sapiens

<400> 71
Asn Leu Gly Pro Lys Leu His Arg His Glu Gly Thr Glu Lys Arg Arg
1 5 10 15

Val Ser His Leu Pro Phe Gly Tyr Thr Asp Ser Tyr Leu Pro Cys Phe
20 25 30

Ser Leu Pro Leu Val Leu Leu Gly Ala
35 40

<210> 72
<211> 14
<212> PRT
<213> Homo sapiens

<400> 72
Gly Ile Ile Ala Leu Leu Cys Gly Gln Asn Ser Gly Phe Ala
1 5 10

<210> 73
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<400> 73
Arg Pro Ser Tyr Ser Phe Trp Ser His Ser Pro Ala Asn Phe Leu Asp
1 5 10 15

<210> 74
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<212> PRT
<213> Homo sapiens

<400> 74
Lys Lys Lys Ala His Ile
1 5

<210> 75
<211> 11
<212> PRT
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<400> 75
Asn Thr Phe Ser Glu Asn Glu His Ser Val Ser
1 5 10

<210> 76
<211> 34
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<213> Homo sapiens

<400> 76
Ile Leu Gly Asp Gly Gly Leu Leu Gly Cys Lys Glu Gln Asp Ser Arg
1 5 10 15

Glu Glu Asn His Gly Arg Asp Lys Arg Leu Glu Phe Phe Pro Ala Ser
20 25 30

Ala Leu

<210> 77
<211> 21
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<213> Homo sapiens

<400> 77
Ser Leu Phe Pro Lys Ile Thr Ala Leu Ile Leu Trp Glu Leu Gly Ser
1 5 10 15

Gly Glu Arg Asn Gln
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<400> 78
Ala Gln Met Gly Pro Gln Ala Trp Thr Lys Val
1 5 10

<210> 79
<211> 15
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<400> 79
Gly Asn Tyr Gly Ser Arg Gln Gly Val Phe Val Arg Trp Met Arg
1 5 10 15

<210> 80
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<400> 80
Gly Asp Cys Gly Gly Glu Ser Trp Gly
1 5 10

<210> 81
<211> 15
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<400> 81
Met Ala Asn Cys Val Trp Ala Gly Arg Trp Phe His Pro Leu Asn
1 5 10 15

<210> 82
<211> 18
<212> PRT
<213> Homo sapiens

<400> 82
Gly Trp Gln Gly Trp Lys Glu Pro Ala Leu Ser Thr Leu Glu Lys Val
1 5 10 15

Gln Val

<210> 83
<211> 32
<212> PRT
<213> Homo sapiens

<400> 83
Gln Glu Glu Thr Glu Arg Gly Asp Thr Arg Ala Gly Ser Ser Leu Pro
1 5 10 15

Ser Phe Leu Pro Met Ala Leu Ala Leu Gly Arg Ile Arg Lys Gly Trp
20 25 30

<210> 84
<211> 31
<212> PRT
<213> Homo sapiens

<400> 84
Leu Cys Ile Leu Arg Lys Ala Leu Ser Pro Ser Leu Asp Ser Arg Gly
1 5 10 15

Leu Glu Arg Arg Met Cys Arg Arg Asn Asp Val Glu Arg Val Thr
20 25 30

<210> 85
<211> 6
<212> PRT
<213> Homo sapiens

<400> 85
Pro Ile Gln Met Cys Leu
1 5

<210> 86
<211> 5
<212> PRT
<213> Homo sapiens

<400> 86
Met Arg Phe Gln Glu
1 5

<210> 87
<211> 36
<212> PRT
<213> Homo sapiens

<400> 87
Glu Trp Lys Tyr Ser Cys Ala Ser Ala Trp Pro Arg Ala Leu Gly Ser
1 5 10 15

Leu Thr Pro Thr Pro Gln Glu Glu Asn His Pro Ile Ile Pro Pro Gly
20 25 30

Val Leu Arg Thr
35

<210> 88
<211> 7
<212> PRT
<213> *Homo sapiens*

<400> 88
His Arg Ala Gly Glu Leu Arg
1 5

<210> 89
<211> 111
<212> PRT
<213> *Homo sapiens*

<400> 89
Lys His Ser Leu Leu Ser Cys Leu Pro Leu Ser Leu Thr Ser Pro Ser
1 5 10 15

Leu Thr Asp Trp Trp Met Leu Ile Met Ile Leu Thr Pro Gln Val Ser
20 25 30

Ala Pro Pro Leu Ile Trp Met Asn Thr Thr His Asp Ser Ser Gln Gly
35 40 45

His Gln Arg Pro Asn Leu Asp Thr Val Ser Tyr Ser Met Leu Gly Val
50 55 60

Asp Ser Asp Gly Glu Arg Glu Asn Arg Gly Pro Trp Asp Arg Asp Tyr
65 70 75 80

Ala Leu Thr Asp Lys Gly Glu Asp Arg Ser Lys Leu Ala Phe Glu Ser
85 90 95

Ala Trp Gly Ser Met Thr Ser His Ala Leu Ser Leu Ser Leu Tyr
100 105 110

<210> 90

<211> 37

<212> PRT

<213> Homo sapiens

<400> 90

Gly Pro Cys Ser Pro Asp Leu Tyr Ile His Ile Leu Leu Pro Gly Cys
1 5 10 15

Trp Trp Val Pro Pro Gly Met Gly His Gln Val Thr Gly Glu Gly Met
20 25 30

Phe Ile Val Ala Leu

35

<210> 91

<211> 29

<212> PRT

<213> Homo sapiens

<400> 91

Gly Asp Ser Thr Val Leu His Val Pro Lys Ala Thr Trp Val Arg Arg
1 5 10 15

Ser Leu Thr Phe Pro Leu Leu Ile Pro Asp Val Asp Ile
20 25

<210> 92

<211> 7

<212> PRT

<213> Homo sapiens

<400> 92

Pro Leu Gly Pro Cys Leu Gln
1 5

<210> 93

<211> 6

<212> PRT

<213> Homo sapiens

<400> 93

Thr Lys Glu Ala Glu Leu
1 5

<210> 94

<211> 25

<212> PRT

<213> Homo sapiens

<400> 94
Pro His Asp Phe Ile Leu Phe Tyr Pro Ser Ser Asn Gln Val Thr Ile
1 5 10 15

Asn Leu Glu Ile Pro Leu Ser Leu Leu
20 25

<210> 95
<211> 4
<212> PRT
<213> Homo sapiens

<400> 95
Gly Cys Leu Tyr
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<210> 96
<211> 9
<212> PRT
<213> Homo sapiens

<400> 96
Arg Gln Met Leu Met Gly Asp Ser Trp
1 5

<210> 97
<211> 76
<212> PRT
<213> Homo sapiens

<400> 97
Ala Glu Arg Arg Ala Ser Glu Gly Ser Gln Gln Gly Arg Glu His Tyr
1 5 10 15

Gly Ile Trp Ala Val Val Ala Trp Ala Phe His Pro Ser Val Leu Glu
20 25 30

Ala Glu Ser Gly Leu Ile Tyr Arg Val Ser Ser Arg Thr Ala Lys Ala
35 40 45

Met Gln Arg Asn Pro Val Leu Lys Asn Pro Lys Pro Lys Leu Thr Lys
50 55 60

Gln Gln Gln Gln Lys Lys His Arg Gly Lys Gly Asn
65 70 75

<210> 98

<211> 84

<212> PRT

<213> Homo sapiens

<400> 98

Lys	Arg	Gln	Gly	Ile	Gln	Asn	Pro	Arg	Glu	Gln	Gly	Arg	Val	Pro	His
1				5					10					15	

Gly	Val	Val	Ser	Ile	Ser	Leu	Leu	Thr	Arg	Cys	Val	Phe	Arg	Glu	Ala
								25					30		

Leu	Ser	Ser	Leu	Gly	Ile	Thr	Ile	Ser	Pro	Ile	His	Pro	Gly	Leu	Cys
35						40					45				

Pro	Ser	Leu	Val	Ser	Cys	Leu	Arg	Gln	Leu	Cys	Leu	Gln	Phe	Trp	Asn
50					55					60					

Met	Cys	Pro	Cys	Gly	Cys	Phe	Ile	Pro	Ala	Pro	Gly	Lys	Pro	Gly	Thr
65					70					75			80		

His Arg Pro Thr

<210> 99

<211> 46

<212> PRT

<213> Homo sapiens

<400> 99

Ala	Ser	Gly	Arg	Ala	Leu	Glu	Ala	Gln	Phe	Pro	Asp	Arg	Asp	Ala	Gly
1					5				10				15		

Trp	Glu	Lys	Leu	Gly	Gln	Arg	Leu	Gly	Gly	Ser	Ala	Trp	Leu	Ser
							20	25				30		

Ser	Ser	Phe	Pro	Ser	Val	Leu	Ala	Glu	Glu	Ala	Pro	Val	Cys
35								40			45		

<210> 100

<211> 7

<212> PRT

<213> Homo sapiens

<400> 100

Leu	Ile	Arg	Ile	Gln	Thr	Pro
1				5		

<210> 101

<211> 41

<212> PRT

<213> Homo sapiens

<400> 101

Glu	Ser	Leu	Lys	Thr	Pro	Gly	Ser	Gly	Phe	Thr	Asn	Leu	Lys	Thr	Lys
1															15
				5						10					

Gln	Asn	Ser	Ile	Ser	Cys	Ala	Gln	Pro	Ile	Pro	His	Pro	Ser	Arg	Val
															30
						20				25					

Leu	His	Ile	Leu	Phe	Leu	Trp	Val	Leu							
															30
								35		40					

<210> 102

<211> 26

<212> PRT

<213> Homo sapiens

<400> 102

Met	Pro	Ser	Gln	His	Ser	Val	Ile	Gly	Phe	Ser	Pro	His	Ala	Phe	His
1															15
					5				10						

Ile	Leu	Ser	Tyr	Leu	Leu	Pro	Phe	Gly	Arg						
															30
					20			25							

<210> 103

<211> 45

<212> PRT

<213> Homo sapiens

<400> 103

Ser	Tyr	Val	Ala	Gln	Ala	Val	Leu	Asp	Leu	Gly	Ile	Cys	Leu	Pro	Gln
1															15
						5			10						

Leu	Leu	Ser	Leu	Lys	Tyr	Trp	Asp	Asn	Arg	His	Ala	Leu	Ser	Ala	Trp
															30
				20				25							

Pro	Leu	Leu	Asn	Met	Pro	Ser	Val	Ala	Ile	Gly	Arg	Ala			
															45
			35					40							

<210> 104

<211> 14

<212> PRT

<213> Homo sapiens

<400> 104

Val	Lys	Tyr	Cys	Pro	Pro	Pro	Gln	His	Thr	His	Lys	Arg	Lys		
1															
					5				10						

<210> 105

<211> 6

<212> PRT

<213> Homo sapiens

<400> 105

Gly Ser Leu Ser Val Pro
1 5

<210> 106

<211> 23

<212> PRT

<213> Homo sapiens

<400> 106

His Arg Val Val Val Gly Leu Ser Leu Val His Ile Ser Phe Phe Tyr
1 5 10 15

Ser Ala His Leu Phe Phe Leu

20

<210> 107

<211> 12

<212> PRT

<213> Homo sapiens

<400> 107

Phe Pro His Trp Gly Pro Gly Ile Val Leu Ser Trp
1 5 10

<210> 108

<211> 21

<212> PRT

<213> Homo sapiens

<400> 108

Leu Arg Glu Asn Ser Leu Leu Ser Ala Cys Ile Ala Ala Ser Ser Trp
1 5 10 15

Asp Ile Leu Pro Cys

20

<210> 109

<211> 68

<212> PRT

<213> Homo sapiens

<400> 109

Leu His Pro Thr Ser Phe His Val Phe Cys Phe Pro Ser Leu Cys Pro
1 5 10 15

Pro Ser Arg Leu Ser His Ile His Gly Cys Arg His Cys Phe Gly Trp
 20 25 30

Leu Gln Gln Tyr Leu Ser Leu Val Arg Ser Ser Asp Phe Pro Ser Glu
 35 40 45

Ala Gly Arg Lys Thr Val His Arg Ser Gly Ala Asp Thr Gly Lys Arg
 50 55 60

Lys Ile Cys Gly
 65

<210> 110
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 110
 Asp Trp Arg Glu Arg Ser Lys His Ser Trp Thr Leu Gly Cys Lys Gln
 1 5 10 15

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Pro Cys Pro Ala Ser
 20

<210> 111
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 111
 His Pro Gly Thr Leu Ser Ser Thr Glu Leu Met Leu Lys Asn Cys Ala
 1 5 10 15

Ile Asn Leu Pro Lys Ser His Lys Asn Phe Ile Met Phe Glu Val Ser
 20 25 30

Leu

<210> 112
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 112
 Leu Cys Gly Gly Pro His Ser Glu Leu Pro Phe Ala Ala Cys Ser Cys
 1 5 10 15

Leu Gly Asn Ala Cys His Glu Leu Gln Val Arg His Thr Cys Ser Leu
 20 25 30

Pro Leu His Arg Ala Ala Gly Trp Thr His Leu Leu Gly Val His Phe
 35 40 45

Pro Phe Ile Leu Cys Ala Pro Ser Ser Leu Arg Ser Ser Tyr Ile Pro
 50 55 60

Cys Gly His Met Val Tyr Cys Ser Gln Val Gly Leu Val Gln Tyr Gly
 65 70 75 80

Glu Asn Pro Val His Glu Trp Ser Leu Gly Asp Phe Arg Thr Lys Glu
 85 90 95

Glu Val Val Arg Ala Ala Arg Asn Leu Ser Arg Arg Glu Gly Arg Glu
 100 105 110

Thr Arg Thr Ala Gln Ala Ile Met Val Ala Trp
 115 120

<210> 113
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 113
 Asp Ile Val Lys Gly Ser Cys Glu Gly Gly Arg Ile Ser Arg Glu
 1 5 10 15

Arg Glu Arg Val Trp Ser Val Val Tyr Thr Ser Gln Asp Ala Leu Gly
 20 25 30

Ala Tyr Leu Tyr Leu His Ala Arg Ser Ser Trp Arg Lys Ala Arg Leu
 35 40 45

Leu Ser Pro Tyr Ser Leu Leu Leu Tyr Leu His Phe Met Val Ser Val
 50 55 60

Gly Val Ser Leu Leu Val Cys Ser Val Ser Ala His Arg Thr Pro Ser
 65 70 75 80

Phe Leu Phe Tyr Ser Cys Val Asn Ser Asp Thr
85 90

<210> 114
<211> 40
<212> PRT
<213> Homo sapiens

<400> 114
Leu Leu Asn His Ser Arg Pro Ser Ile Leu Phe Lys His Asp Ser Lys
1 5 10 15

Pro Leu Gly Arg Leu His Asp Leu Thr Val Phe Ile Leu Gln Phe Leu
20 25 30

Asp Leu Val Asn Pro Ser Val Cys
35 40

<210> 115
<211> 9
<212> PRT
<213> Homo sapiens

<400> 115
Ile Asn Asn Ala Cys Thr Tyr Leu His
1 5

<210> 116
<211> 22
<212> PRT
<213> Homo sapiens

<400> 116
Gln Ile Ile Leu Tyr Val Pro Cys His Leu Asn Ser Gln Val Val Thr
1 5 10 15

Leu Cys Gln Phe Ala Cys
20

<210> 117
<211> 10
<212> PRT
<213> Homo sapiens

<400> 117
Ile Leu Leu Gly Asn Gly Val Glu Asp Ile
1 5 10

<210> 118

<211> 29

<212> PRT

<213> Homo sapiens

<400> 118

Thr Ala Asp Ser Val Asn Thr Leu Tyr Gly His Ala Cys Met Gln Ala
1 5 10 15

Cys Val Tyr Val Cys His Ala Tyr Ala His Thr Tyr Ile
20 25

<210> 119

<211> 29

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Ser Pro Gly Gly Asp Asp Gln Arg Pro Leu Gly Cys Trp
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Leu Ser Leu Met Glu Ser Pro Met Met Glu Arg Asn Phe Gln Gln Arg
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Arg Pro Val Arg Leu Ala Glu
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His Val Met Gly Leu Arg
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Asp Leu Ile Lys Ser Ser Cys Phe Val Leu Cys Cys Ile Val Cys Val
1 5 10 15

Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val Tyr Val
20 25 30

<210> 124
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<400> 124
Tyr Val Cys Met His Gln Cys Thr Tyr His Ser Val Tyr Met Arg Val
1 5 10 15

Arg Glu Gln Pro Gln Met Leu Val Leu Thr Phe His Leu Val Pro Asn
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Trp Ile Ser Cys Ser Leu Arg His Thr Ile Ser Gln Ile Ser
35 40 45

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Pro Thr Ser Leu Gly Gln Val Phe Cys Leu Ser Leu Leu Ser Leu Gly
1 5 10 15

Leu Arg His Ser Gly Ile Tyr Arg
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Tyr Arg Ile Pro Ala Ala Arg Gly Ile His
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Ser Gly Arg His Gln Gly Ser
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Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Arg Xaa Xaa Xaa Xaa Val Thr Xaa
1 5 10 15
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Leu Xaa Lys Xaa Xaa Ser Met Thr Xaa Gly Pro Arg
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1 5 10 15

Xaa Xaa Ala Xaa Xaa Val Gln Xaa Xaa Xaa Xaa Gly Thr Xaa Gly Xaa
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Ala Arg Xaa Pro
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Gly Ser Gly Thr Met Xaa Xaa Arg Xaa Thr Xaa Xaa Asp Xaa Ser Xaa
1 5 10 15

Val Gly Arg Arg Asn Xaa Lys Val Xaa Val Xaa Xaa Xaa Gly
20 25 30

Xaa Asp Xaa Xaa Thr Xaa Xaa Xaa Xaa Gly Thr Gly Glu Xaa Xaa
35 40 45

Xaa Val Ser Glu Glu Xaa Xaa Arg Thr Xaa Leu Pro Lys Ser Gly Leu
50 55 60

Xaa Xaa Asp Thr Xaa Xaa Xaa Ser Xaa Xaa Gly Xaa Ser Glu Cys Xaa
65 70 75 80

Asn Xaa Xaa Xaa Xaa Val Tyr Xaa Asn Xaa Lys Xaa Gly His Leu Leu
85 90 95

Xaa Glu Glu Ser Ser Gln Ile Thr
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Asp Asp Leu Xaa Trp Gly Pro Val Ala Ser Ile
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Glu Asp Trp Phe Gly Arg His Xaa Cys Ser Leu Leu Thr His Ile Leu
1 5 10 15

Leu Pro

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Ser Asp Thr Ile Xaa Cys Pro Ser Ser
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1 5 10 15

Xaa Cys Tyr Ser Arg Arg Met Lys Val Ser Arg Val Gly Val Ser Gly
20 25 30

Gly Glu Lys Leu Trp Thr Trp Arg Thr Arg Asp Ser Arg Arg Lys Xaa
35 40 45

Pro Gln Leu Ala Xaa Ser Phe Gly Ser Asp Pro Asp Thr Gly Ser Ser
50 55 60

Xaa Glu Leu Ser Pro Ser Leu Ala Gly Trp Leu Arg Asn Ala Trp Thr
65 70 75 80

Phe Ser Ser Pro Leu Asp Lys Leu Gly Val Trp Arg Cys Gly Pro Gly
85 90 95

Ile Val Gly Leu Cys Gly Leu Ile Ser Ser Ile Leu Ser Ile Leu Thr
100 105 110

Leu Ile Cys Pro Trp Xaa Arg Leu Lys Pro Xaa Leu Thr Xaa Trp Tyr
115 120 125

Lys Ile Arg Arg Glu Pro Arg Trp Val Arg Trp Lys Leu Arg Trp Xaa
130 135 140

Thr Val Cys Xaa Pro His Cys Asn Ser Thr Xaa Leu Thr Glu Val Lys
145 150 155 160

Ile Gln Ile Xaa Arg Asp Glu Gly Lys Asn Leu Pro Lys Thr Gly Gln
165 170 175

Glu Gly Ser Ala Lys Gly Arg Leu Leu Gln Ala Ser Ala Val Gly Leu
180 185 190

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His Ser Val Pro Leu Pro Glu Ser His Ser Ser Ser Xaa Tyr Leu Ser
195 200 205

Val Leu Ser Leu Val Lys Asn Leu Leu Pro Glu Thr Glu Phe Ser Phe
210 215 220

Leu Ala Ser Trp Pro Asp Ile
225 230

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<400> 135
Lys Glu Gly Gly Gly Leu Leu Phe Gly Arg Gly Ser Leu Ser Tyr Gly
1 5 10 15

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<400> 136
Gln Ser Ala Asn Cys Ile Leu Phe Phe
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<211> 69
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<400> 137
His Phe Ser Ser Leu Pro Pro Ser Ile Leu Ser Gln Ala Phe Ser His
1 5 10 15

Ala Arg Arg Leu Phe Ala His Thr Ala Ala Gly Cys Leu Arg Leu Leu
20 25 30

Pro Trp Val Cys Leu Ser Arg Leu Pro Pro His Phe Pro Val Ser Ala
35 40 45

Tyr Thr Leu Ile Leu Glu Phe Pro Ser Pro Leu Gly Ser Cys Ser Phe
50 55 60

Ser Asp Tyr Pro Gly
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<210> 138
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Cys His Val Trp Pro Leu Pro Val Asn Thr Val Gln
1 5 10

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<211> 17
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<400> 139
Phe Tyr Val Asn Asn Trp Ser Leu Pro Thr Glu Gln Ala Ser Leu Leu
1 5 10 15

Gly

<210> 140
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<212> PRT
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<400> 140
Gln Ile Lys Asp Gln Val Cys Ser Leu Thr Phe Leu Phe Asn Ser Arg
1 5 10 15

Trp Arg Gly Val Gly Trp Gly Gly Leu Pro Val Phe Thr Val Val
20 25 30

Pro Arg Gln Gly
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<210> 141
<211> 14
<212> PRT
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<400> 141
Ser Ser Glu Leu Pro Cys Phe Arg Leu Leu Ser Ser Leu Gln
1 5 10

<210> 142
<211> 8
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<400> 142
Val Leu Leu Cys Pro Ala Ala Arg
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<210> 143
<211> 23
<212> PRT
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<400> 143
His Leu Val Ser His Gly Leu Val Ile Val Ser Leu Ser Ser Leu Thr
1 5 10 15

Val Asp Gly Phe Pro Trp Arg
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<211> 58
<212> PRT
<213> Homo sapiens

<400> 144
Gln Leu Thr Trp Leu Gln Asp Phe Thr Glu Asn Leu Asn Val Gly Gly
1 5 10 15

Lys Val Arg Thr His His Asn Gly Pro Asn Ser Lys Gln Ser Val Lys
20 25 30

Gln Pro Gln Val Arg Gly Glu Met Phe Ser Thr Lys Val Ile Ile Leu
35 40 45

Thr Pro Gln Ser Thr Pro Val Tyr Arg Gln
50 55

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<211> 5
<212> PRT
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<400> 145
Leu Pro Lys Ser Tyr
1 5

<210> 146
<211> 23
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<400> 146
Thr His Asn Lys His Asp His Asn Ser Val Asp Trp Gln Gly His Thr
1 5 10 15

Val Gly Leu Pro Phe Thr Gln
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<210> 147
<211> 40
<212> PRT
<213> Homo sapiens

<400> 147

Val Gly Lys Cys Cys Cys His Cys Cys Gln Leu Leu Phe Cys Ile Ser
1 5 10 15

His Val Lys Ile Asn Lys Ala Lys Asn Ile Val Ser Lys Ser Tyr Phe
20 25 30

Leu Phe Gln Thr Gly Gly Asn Tyr
35 40

<210> 148
<211> 21
<212> PRT
<213> Homo sapiens

<400> 148
Ile Asn Lys Pro Cys Ile Lys Val Ala Ser Glu Arg Val Lys Ile Cys
1 5 10 15

Val Phe Phe Glu Tyr
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<210> 149
<211> 40
<212> PRT
<213> Homo sapiens

<400> 149
Leu Arg Pro Pro Gly Gly Ser Thr Lys Val Glu Ser Trp Thr Lys Ala
1 5 10 15

Ala Leu Cys Ser Cys Pro Gly Leu Pro Thr Ala Pro Phe His His His
20 25 30

Ser His Ser Ile Gln Leu Tyr Phe
35 40

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20 25 30Ala Pro Met Glu Ser Leu Ser Ile Pro His Leu Leu Leu Pro Leu Ala
35 40 45Xaa Leu Thr Gly Glu Gly Ser Lys Leu Gly Phe Cys Trp Glu Trp Lys
50 55 60Leu Cys Gly Leu Phe Ile Ile Gly Thr Ile Met Ala Lys Ile Xaa Arg
65 70 75 80Ala Leu Arg Ser Glu Val Asn Thr Asp Ala Ile Phe Pro Val Cys Thr
85 90 95His Val Leu Arg His Pro Asn Gly Ser Gly Gln Asn Phe Leu Trp Leu
100 105 110Val Pro His Tyr Leu Asn Leu Cys Thr
115 120

<210> 151

<211> 46

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<213> Homo sapiens

<400> 151
 Leu Ser Lys Thr Leu Val Leu Asn Ser Thr Asp Met Arg Ala Gln Lys
 1 5 10 15

Arg Asp Val Ser Leu Ile Phe His Ser Val Thr Leu Ile Pro Thr Phe
 20 25 30

Pro Ala Ser Pro Cys His Trp Cys Ser Leu Val Pro Glu Ala
 35 40 45

<210> 152

<211> 46

<212> PRT

<213> Homo sapiens

<400> 152

Leu Pro Tyr Tyr Val Val Arg Thr Leu Gly Ser Pro Asn Asp Arg Ala
 1 5 10 15

Thr Val Ser Gly Leu Ile Ala Leu Pro Ile Ser Trp Ile Lys Lys Lys
 20 25 30

Arg Leu Thr Tyr Lys Ile Pro Phe Leu Lys Met Ser Thr Val
 35 40 45

<210> 153

<211> 44

<212> PRT

<213> Homo sapiens

<400> 153

Val Glu Val Arg Phe Trp Gly Met Glu Gly Cys Leu Asp Ala Lys Ser
 1 5 10 15

Lys Thr Val Glu Lys Arg Ile Met Gly Gly Ile Arg Gly Trp Asn Phe
 20 25 30

Ser Leu Leu Val Pro Tyr Asn Leu Cys Phe Leu Lys
 35 40

<210> 154

<211> 35

<212> PRT

<213> Homo sapiens

<400> 154

Phe Tyr Gly Asn Trp Gly Gln Glu Lys Gly Ile Ser Arg His Arg Trp
 1 5 10 15

Asp Pro Lys Arg Gly Leu Lys Phe Glu Glu Thr Met Gly Val Gly Lys
 20 25 30

Gly Cys Leu
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 <212> PRT
 <213> Homo sapiens

<400> 155
 Asp Glu Glu Ile Val Val Gly Gly Ser Leu Gly Gly Asp Arg Thr Leu
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Asn Arg Asp Arg Trp Gln Thr Val Cys Gly Gln Ala Gly Gly Ser Thr
 20 25 30

His Leu Ile Ser Val Glu Val Gly Arg Ala Gly Arg Ser Gln His Ser
 35 40 45

Gln Pro Trp Arg Lys Cys Lys Cys Asp Lys Lys Lys Gln Lys Glu Glu
 50 55 60

Thr Pro Gly Gln Gly Ala Pro Cys His Arg Phe Phe Pro Trp Pro Trp
 65 70 75 80

Leu Trp Glu Glu Leu Gly Lys Gly Asp Ser Ala Ser Ser Glu Lys
 85 90 95

Pro Ser Leu Pro Leu Trp Thr Leu Glu Ala
 100 105

<210> 156
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<400> 156
 Arg Gly Glu Cys Val Gly Gly Met Met Trp Lys Glu
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<210> 157
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<400> 157
Leu Asp Leu Ser Arg Cys Val Cys Glu
1 5

<210> 158
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<400> 158
Asp Phe Arg Asn Glu Asn Gly Asn Thr Ala Val Leu Gln His Gly Arg
1 5 10 15

Gly Pro

<210> 159
<211> 19
<212> PRT
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<400> 159
Asp Pro Ser Pro Pro Pro His Arg Lys Arg Ile Ile Gln Ser Ser His
1 5 10 15

Leu Gly Phe

<210> 160
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<212> PRT
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<400> 160
Gly His Asp Ile Asp Thr Glu Gln Glu Ser
1 5 10

<210> 161
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<400> 161
Asp Arg Asn Thr Pro Ser Cys Leu Val Ser His
1 5 10

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<212> PRT
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<400> 162
Ala Ser Pro Val Leu His
1 5

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<400> 163
Leu Ile Gly Gly Cys
1 5

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<400> 164
Ser Ser Pro Leu Arg Ser Leu Leu Pro Leu
1 5 10

<210> 165
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<400> 165
Thr Pro Pro Thr Thr Leu His Arg Ala Thr Arg Gly Arg Ile Trp Ile
1 5 10 15

Gln Cys Leu Thr Ala Cys Trp Gly Trp Thr Ala Met Val Arg Gly Lys
20 25 30

Thr Glu Asp Arg Gly Ile Gly Thr Met His Ser Leu Ile Lys Gly Arg
35 40 45

Thr Gly Pro Ser Trp Pro Leu Lys Val Pro Gly Ala Pro
50 55 60

<210> 166
<211> 37
<212> PRT
<213> Homo sapiens

<400> 166
Arg Leu Met His Ser Pro Ser His Tyr Thr Lys Asp His Ala His Arg
1 5 10 15

Ile Phe Ile Ser Ile Phe Ser Phe Gln Asp Ala Gly Gly Cys Pro Leu
20 25 30

Gly Trp Ala Ile Arg
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<210> 167
<211> 24
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<400> 167
Pro Glu Arg Gly Cys Leu Ser Leu Leu Tyr Arg Gly Ile Pro Gln Cys
1 5 10 15

Ser Met Tyr Gln Arg Pro Pro Gly
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<400> 168
Pro Phe Pro Cys
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<210> 169
<211> 40
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<213> Homo sapiens

<400> 169
Phe Leu Met Leu Thr Ser Ser Asn Ser Asp Pro Leu Asp Leu Val Phe
1 5 10 15

Asn Asp Pro Glu Leu Lys Lys Pro Asn Tyr Asp Pro Met Thr Ser Phe
20 25 30

Ser Ser Thr Leu Pro Pro Thr Arg
35 40

<210> 170
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<212> PRT
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<400> 170
Leu Ser Thr Trp Lys Phe Leu Ser Ala Cys Cys Glu Tyr Ala Pro Arg
1 5 10 15

Asp Val Ser Thr Arg Asp Arg Cys
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<210> 171
<211> 42
<212> PRT
<213> Homo sapiens

<400> 171
Trp Gly Ile His Gly Glu Leu Lys Glu Gly Pro Gln Lys Val His Ser
1 5 10 15

Arg Glu Glu Ser Ile Met Val Ser Gly Gln Trp Trp Leu Gly Pro Phe
20 25 30

Ile Pro Val Phe Trp Arg Gln Ser Gln Ala
35 40

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<400> 172
Ala Pro Gly Gln Pro Arg Leu Cys Arg Glu Thr Leu Phe
1 5 10

<210> 173
<211> 6
<212> PRT
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<400> 173
Lys Thr Gln Asn Gln Asn
1 5

<210> 174
<211> 41
<212> PRT
<213> Homo sapiens

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Pro Asn Asn Asn Asn Arg Lys Ser Thr Val Val Arg Glu Ile Ser Leu
1 5 10 15

Tyr Arg Arg Asp Lys Glu Phe Lys Thr Leu Glu Ser Lys Ala Gly Phe
20 25 30

Pro Met Glu Trp Ser Pro Ser Leu Phe
35 40

<210> 175
<211> 13
<212> PRT
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<400> 175
Leu Gly Val Cys Ser Glu Arg Pro Ser Gln Ala Trp Gly
1 5 10

<210> 176
<211> 66
<212> PRT
<213> Homo sapiens

<400> 176
Leu Phe Leu Leu Ser Thr Gln Ala Cys Ala Pro Leu Trp Ser Arg Ala
1 5 10 15

Cys Gly Ser Ser Val Phe Ser Ser Gly Ile Cys Ala Arg Val Asp Ala
20 25 30

Ser Phe Arg Pro Gln Gly Ser Leu Ala Pro Thr Ala Gln Arg Glu Pro
35 40 45.

Val Glu Gly Pro Trp Lys Leu Ser Ser Gln Ile Gly Met Leu Gly Gly
50 55 60

Lys Asn
65

<210> 177
<211> 27
<212> PRT
<213> Homo sapiens

<400> 177
Asp Lys Asp Leu Val Glu Gly Leu His Gly Tyr Pro His His Ser Gln
1 5 10 15

Val Cys Leu Gln Lys Arg Leu Leu Phe Ala Asn
20 25

<210> 178

<211> 19

<212> PRT

<213> Homo sapiens

<400> 178

Leu	Glu	Phe	Arg	Leu	Leu	Arg	Arg	Ala	Ser	Arg	His	Gln	Asp	Leu	Val
1				5					10					15	

Leu Pro Thr

<210> 179

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<212> PRT

<213> Homo sapiens

<400> 179

Lys	Gln	Asn	Lys	Thr	Ala	Tyr	Pro	Val	His	Ser	Leu	Ser	Leu	Ile	His
1				5					10					15	

His	Val	Ser	Ser	Ile	Ser	Tyr	Phe	Cys	Gly	Ser	Tyr	Arg	Cys	Gln	Val
	20				25							30			

Ser	Thr	Gln	Leu	Leu	Gly	Ser	Pro	Leu	Met	Pro	Phe	Ile	Tyr	Phe	Leu
	35				40							45			

Ile	Tyr	Cys	Leu	Leu	Gly	Asp	Ser	Leu	Met						
	50				55										

<210> 180

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<212> PRT

<213> Homo sapiens

<400> 180

Pro	Arg	Leu	Ser	Leu	Ile	Leu	Glu	Phe	Ala	Cys	Leu	Ser	Phe	Ser	Val
1				5					10					15	

Ser	Ser	Thr	Gly	Ile	Ile	Gly	Met	His	Cys	Leu	Pro	Gly	Leu	Cys	
	20				25							30			

<210> 181

<211> 28

<212> PRT

<213> Homo sapiens

<400> 181

Thr	Cys	Pro	Leu	Trp	Pro	Leu	Val	Gly	His	Glu	Ser	Asn	Thr	Ala	Leu
1				5					10				15		

Pro His Asn Thr His Thr Asn Glu Ser Glu Ala Leu
20 25

<210> 182
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<212> PRT
<213> Homo sapiens

<400> 182
Val Phe His Ser Thr Gly
1 5

<210> 183
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<400> 183
Cys Ile Phe His Ser Phe Thr Leu Pro Ile Ser Ser Phe Phe Asp Phe
1 5 10 15

His Thr Gly Asp Leu Ala
20

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Tyr Phe Pro Gly Asn
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<400> 185
Glu Arg Ile Pro Phe
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<400> 186
 Val Pro Ala Leu Gln Arg Pro Pro Gly Thr Phe Ser Leu Ala Asp Tyr
 1 5 10 15

Thr Pro His Pro Ser Met Phe Phe Val Ser His His Tyr Ala Pro Leu
 20 25 30

Leu Gly Cys Pro Thr Tyr Met Asp Val Val Ile Val Leu Asp Gly Ser
 35 40 45

Asn Ser Ile Tyr Pro Trp Ser Glu Val Gln Thr Phe Leu Arg Arg Leu
 50 55 60

Val Gly Arg Leu Phe Ile Asp Pro Glu Gln Ile Gln Val Arg Glu Arg
 65 70 75 80

Tyr Val Asp Arg Ile Gly Gly Lys Glu Val Asn Thr Pro Gly Pro Leu
 85 90 95

Asp Val Ser Ser His Val Gln Pro Leu Asp Asp Thr Leu Gly His Cys
 100 105 110

Leu Leu Gln Asn Ser Cys Ser Arg Thr Val Gln Leu Thr Tyr Lys Val
 115 120 125

Thr Lys Ile Ser
 130

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<400> 187
 Val Tyr Asp Cys Val Gly Gly His Thr Gln Ser Phe Pro Leu Leu Leu
 1 5 10 15

Val Val Ala Trp Ala Met His Ala Met Ser Cys Lys Leu Asp Thr Pro
 20 25 30

Val His Phe Pro Phe Ile Val Leu Gln Val Gly His Thr Cys
 35 40 45

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<400> 188

Gly Phe Thr Ser Pro Ser Ser Phe Val Leu His Leu Leu Tyr Ala Leu
1 5 10 15His Thr Ser His Val Gly Thr Trp Ser Ile Val Leu Arg
20 25

<210> 189

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Asp Trp Tyr Ser Thr Gly Arg Thr Leu Cys Met Ser Gly Pro Trp Glu
1 5 10 15Thr Ser Glu Gln Arg Lys Lys Leu
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Glu Gln Gln Gly Thr
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<400> 191

Val Gly Gly Lys Gly Glu Lys Arg Glu Pro Pro Lys Arg Ser Trp Trp
1 5 10 15His Gly Glu Thr Leu
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<400> 192
 Arg Gly Arg Val Arg Glu Glu Gly Ser Ala Gly Arg Gly Arg Gly
 1 5 10 15

Ser Gly Val

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<400> 193
 Cys Ile His His Lys Met Leu Trp Ala Leu Ile Phe Ile Cys Met Pro
 1 5 10 15

Glu Val Arg Gly Gly Arg Leu Gly Cys Cys His His Thr Leu Ser Tyr
 20 25 30

Cys Ile Cys Ile Leu Trp Cys Leu Trp Val Tyr Leu Ser Leu Ser Val
 35 40 45

Leu Phe Leu His Thr Glu Leu His Leu Ser Ser Ser Thr Pro Ala Ser
 50 55 60

Ile Leu Ile Pro Ser Phe Ser Thr Thr His Ala Leu Val Phe Phe Ser
 65 70 75 80

Asn Met Thr Leu Asn Leu Trp Gly Gly Tyr Met Thr
 85 90

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<400> 194
 Leu Ser Leu Phe Ser Ser Ser Leu Ile Leu Ser Thr Gln Val Phe Ala
 1 5 10 15

Glu

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<400> 195
 Ile Met Leu Val His Ile Tyr Thr Asp Asp Arg Leu Phe Tyr Met Phe
 1 5 10 15

Arg Ala Ile

<210> 196
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<400> 196
 Thr Val Lys Leu
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 Leu Cys Ala Ser Leu His Ala Arg Tyr Cys Trp Gly Met Val
 1 5 10

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<400> 198
 Lys Thr Ser Asp Leu Ser Glu Leu Leu Thr Val Leu Ile His Tyr Thr
 1 5 10 15

Gly Met Pro Ala Cys Lys Pro Val Cys Met Cys Met His Met His Thr
 20 25 30

His Thr Tyr Asp His Ile Ala Phe Phe Tyr Leu Ser Ser
 35 40 45

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<400> 199
 His Arg Arg Val Gln Ser Val Pro Gly Gly Thr Thr Arg Gly Arg
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Ala Ala Gly Ser Cys His
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Trp Arg Val Pro
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Trp Arg Gly Thr Ser Ser Ser Ala Lys Gly Leu
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Gly Trp Gln Ser Asp Thr Leu Trp Asp Cys Gly Glu Thr
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<400> 204

Ser Ser Pro Val Val Leu Phe Cys Val Val Ser Cys Val Cys Val Cys
1 5 10 15Val Cys Val Cys Val Cys Val Cys Val Cys Met Cys Asp Met Cys Ala
20 25 30Cys Ile Ser Ala His Thr Ile Val Cys Ile Cys Gly Ser Glu Asn Asn
35 40 45

Leu Arg Cys Trp Ser Ser Pro Ser Ile Leu Phe Gln Thr Gly Tyr Leu
50 55 60

Val His Phe Gly Ile Gln
65 70

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<400> 205
Ala Arg Leu Ala Asp Pro Gln Val Leu Gly Arg Ser Ser Val Ser Ala
1 5 10 15

Ser Cys Leu Leu Val
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<210> 206
<211> 29
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<400> 206
Gly Ile Leu Glu Phe Thr Asp Lys Leu Asp Ile Glu Phe Leu Gln Pro
1 5 10 15

Gly Gly Ser Thr Ser Ser Arg Ala Ala Ala Thr Lys Gly
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Gln Ser Xaa Xaa Lys Xaa Glu Val
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Pro Val Gly Xaa Asp Xaa Xaa Xaa Ala Xaa Xaa
1. 5 10

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Arg Thr Met Xaa Xaa Pro Xaa Xaa Xaa Xaa Xaa Arg Xaa Xaa Xaa Ser
1 5 10 15

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Lys Xaa Xaa Ser Gln Glu Pro Thr Xaa Trp Leu Ala Xaa Xaa Arg Asp
 20 25 30

Gln Xaa Arg Xaa Leu Xaa Xaa Xaa Leu Xaa Xaa Ile Asn Arg Xaa Xaa
 35 40 45

Xaa Gly Gly Gly Ile Xaa Lys Xaa Trp Xaa Xaa Xaa Xaa Xaa Met
 50 55 60

Xaa Xaa Arg Leu Xaa Arg Xaa Xaa Xaa Val Gln Ala Xaa Thr Xaa Xaa
 65 70 75 80

Cys Leu Arg Xaa Ser Xaa Gly Gln Xaa Cys Arg Ser Xaa Asp Leu Xaa
 85 90 95

Xaa Ile Arg Xaa Xaa Asp Leu Xaa Xaa Gly Xaa Ala Ser Ala
 100 105 110

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<400> 210
 Thr Xaa Xaa Gly Xaa Ser Thr Xaa Thr Pro Xaa Xaa Asp Ile Tyr
 1 5 10 15

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<400> 211
Xaa Arg Arg Val Ala Arg Ser Xaa Glu Met Ile
1 5 10

<210> 212
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<400> 212
Xaa Gly Val Pro Leu Pro Val Tyr Glu Arg Thr Gly Ser Ala Asp Ile
1 5 10 15

Asp Ala Leu Cys
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<400> 213
Leu Thr Tyr Cys Cys Xaa Glu Xaa Asp Gln Ile Arg Ser Xaa Val Pro
1 5 10 15

His His Glu Xaa Xaa Pro
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<400> 214
Asp Ser Pro Met Met Glu Gln Glu Thr Xaa Ala Thr Ala Gly Glu
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<400> 215
Arg Phe Leu Glu
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<400> 216
Glu Ser Gln Glu Glu Arg Asn Cys Gly Pro Gly Gly Pro Gly Thr Pro
1 5 10 15

Gly Gly Ser Xaa His Asn Trp Leu Xaa Val Ser Ala Pro Ile Leu Ile
20 25 30

Xaa Ala Arg Pro Xaa Ser Tyr Pro Pro Leu Leu Leu Asp Gly Ser Glu
35 40 45

Met Pro Gly Pro Phe His Pro His Trp Thr Asn
50 55

<210> 217
<211> 24
<212> PRT
<213> Homo sapiens

<400> 217
Ala Ser Gly Val Val Ala Leu Gly Leu Trp Gly Cys Val Ala Ser Tyr
1 5 10 15

Pro Pro Phe Cys Leu Phe Ser Pro
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<210> 218
<211> 10
<212> PRT
<213> Homo sapiens

<400> 218
Ser Val Pro Gly Tyr Asp Ser Ser Pro Asp
1 5 10

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<212> PRT
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Xaa Cys Gly Thr Arg
1 5

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<400> 220
Gly Gly Ser Pro Gly Gly
1 5

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<400> 221
Asp Gly Xaa Leu Cys Ala Xaa Leu Ile Val Ile Gln Leu Pro
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<400> 222
Leu Lys Leu Lys Ser Arg Ser Leu Gly Met Arg Gly Arg Thr Cys Gln
1 5 10 15

Arg Arg Val Arg Lys Ala Val Leu Arg Glu Gly Ser Cys Arg Pro Leu
20 25 30

Gln Leu Asp Phe Ile Gln Ser His Cys Gln Asn Leu Ile Ala Leu Pro
35 40 45

Xaa Ile Ser Leu Ser
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<400> 223
Leu Arg Ile Cys Tyr Arg Arg Gln Asn Ser Leu Ser
1 5 10

<210> 224
<211> 19
<212> PRT
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<400> 224
Pro Pro Gly Gln Ile Phe Lys Arg Arg Gly Val Gly Tyr Phe Leu Val
1 5 10 15

Gly Glu Ala

<210> 225
<211> 46
<212> PRT
<213> Homo sapiens

<400> 225
Val Met Asp Ser Lys Val Leu Ile Val Phe Phe Phe Ser Glu Thr Ser
1 5 10 15

Cys Ser Ile Phe Leu Pro Phe His Pro Pro Tyr Phe Pro Arg Leu His
20 25 30

Phe Met Pro Gly Val Ser Ser Leu Thr Pro Leu Gln Ala Val
35 40 45

<210> 226

<211> 21

<212> PRT

<213> Homo sapiens

<400> 226

Gly Phe Ser Pro Gly Ser Ala Ser Ala Asp Cys Leu His Thr Phe Gln
1 5 10 15Phe Leu Arg Thr Arg
20

<210> 227

<211> 24

<212> PRT

<213> Homo sapiens

<400> 227

Ser Phe Leu Pro His Leu Ala Leu Ala Leu Ser Leu Thr Thr Gln Ala
1 5 10 15Asp Ala Met Ser Gly Leu Phe Leu
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<400> 228

Ile Leu Tyr Asn Asp Ser Met
1 5

<210> 229

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<212> PRT

<213> Homo sapiens

<400> 229

Ile Thr Gly Pro Cys Pro Gln Ser Lys Gln Ala Phe
1 5 10

<210> 230

<211> 10

<212> PRT

<213> Homo sapiens

<400> 230

Ala Asn Lys Leu Lys Ile Lys Phe Ala His
1 5 10

<210> 231

<211> 37

<212> PRT

<213> Homo sapiens

<400> 231

Leu Phe Tyr Ser Ile Gln Asp Gly Gly Gly Trp Gly Gly Gly Ala Asp
1 5 10 15Cys Leu Phe Ser Leu Trp Tyr Leu Gly Arg Ala Glu Ala Leu Ser Ser
20 25 30Pro Ala Leu Gly Phe
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<211> 23

<212> PRT

<213> Homo sapiens

<400> 232

Val Ala Tyr Ser Glu Cys Tyr Cys Val Gln Leu Leu Val Asp Ile Trp
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<212> PRT

<213> Homo sapiens

<400> 233

Ala Leu Ala Leu
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<210> 234

<211> 10

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<213> Homo sapiens

<400> 234

Leu Trp Met Ala Phe Leu Gly Val Ser Ser
1 5 10

<210> 235

<211> 9

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<213> Homo sapiens

<400> 235
 His Gly Tyr Arg Ile Ser Leu Lys Ile
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<210> 236
 <211> 18
 <212> PRT
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<400> 236
 Met Leu Gly Glu Arg Cys Gly His Thr Ile Met Val Pro Ile Gln Asn
 1 5 10 15

Asn Pro

<210> 237
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<400> 237
 Asn Ser Leu Lys Leu Gly Val Arg Cys Phe Gln Pro Lys
 1 5 10

<210> 238
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 238
 His His Lys Ala His Leu Ser Thr Gly Ser Asp Ser Pro Lys Ala Ile
 1 5 10 15

Arg His Thr Thr Ser Met Thr Ile Thr Gln Trp Ile Gly Lys Val Thr
 20 25 30

Gln

<210> 239
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 <212> PRT
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<400> 239
 Asp Cys Pro Ser His Ser Arg
 1 5

<210> 240

<211> 40

<212> PRT

<213> Homo sapiens

<400> 240

Glu Asn Ala Ala Val Thr Ala Val Ser Cys Tyr Phe Ala Tyr Pro Met
1 5 10 15Leu Arg Leu Ile Arg Gln Lys Ile Leu Ser Leu Ser Pro Thr Phe Cys
20 25 30Ser Lys Leu Glu Glu Ile Ile Glu
35 40

<210> 241

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<212> PRT

<213> Homo sapiens

<400> 241

Ile Asn Arg Ala
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<210> 242

<211> 14

<212> PRT

<213> Homo sapiens

<400> 242

Pro Gln Lys Gly Ser Lys Phe Val Phe Ser Leu Asn Ile Ser
1 5 10

<210> 243

<211> 8

<212> PRT

<213> Homo sapiens

<400> 243

Gly Leu Gln Gly Ala Ala Pro Arg
1 5

<210> 244

<211> 38

<212> PRT

<213> Homo sapiens

<400> 244

Arg Ala Gly Leu Arg Leu Leu Cys Val Pro Val Leu Gly Ser Pro Gln
1 5 10 15

105

Leu Pro Ser Thr Thr Pro Ile Pro Ser Asn Phe Ile Phe Ser Cys
20 25 30

Gln Trp Glu Gly Ala Gly
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<211> 37
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1 5 10 15

Gly Pro Asp Lys Arg Pro Trp Ser Leu Ser Pro Ser Leu Thr Cys Ser
20 25 30

Cys Pro Trp Arg Xaa
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<210> 246
<211> 19
<212> PRT
<213> Homo sapiens

<400> 246
Gln Val Arg Glu Ala Asn Leu Val Ser Ala Gly Asn Gly Ser Tyr Val
1 5 10 15

Asp Cys Leu

<210> 247
<211> 46
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1				5					10				15		

Ile	Pro	Met	Leu	Tyr	Phe	Leu	Cys	Ala	Leu	Met	Phe	Leu	Asp	Thr	Gln
					20				25				30		

Met	Ala	Val	Ala	Lys	Thr	Ser	Ser	Gly	Leu	Tyr	Leu	Ile	Ile	
						35	40					45		

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Thr	Phe	Val	Pro	Asn	Tyr	Leu	Lys	Pro	Trp	Ser
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<400> 249

Thr	Pro	Gln	Thr
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<210> 250

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Gly	His	Arg	Lys	Glu	Thr	Cys	Leu	Ser	Ser	Ser	Ile	Arg	Leu	His
1				5				10			15			

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<211> 40

<212> PRT

<213> Homo sapiens

<400> 251

Phe	Leu	Pro	Ser	Leu	Leu	Pro	Ala	Ile	Gly	Ala	Pro	Trp	Cys	Leu
1				5				10			15			

Arg	His	Asn	Cys	Leu	Thr	Met	Trp	Ser	Glu	Leu	Trp	Val	Arg	Leu	Thr
					20			25				30			

Thr Glu Leu Gln Phe Leu Val Ser
 35 40

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<400> 252
 Pro Cys Gln Phe Pro Gly Leu Lys Lys Lys Gly Ser His Ile Lys Tyr
 1 5 10 15

Leu Phe

<210> 253
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 <213> Homo sapiens

<400> 253
 Ala Gln Cys Glu Leu Lys Leu Asp Phe Gly Gly Trp Arg Val Ala Trp
 1 5 10 15

Met Gln Arg Ala Arg Gln
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<210> 254
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 <212> PRT
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<400> 254
 Arg Arg Glu Ser Trp Glu Gly
 1 5

<210> 255
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 255
 Glu Ala Gly Ile Phe Pro Cys
 1 5

<210> 256
 <211> 7
 <212> PRT
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<400> 256

Cys Pro Ile Ile Phe Val Ser
1 5

<210> 257

<211> 26

<212> PRT

<213> Homo sapiens

<400> 257

Asn Asn Ser Ser Asp Phe Met Gly Ile Gly Val Arg Arg Lys Glu Ser
1 5 10 15Val Gly Thr Asp Gly Thr Pro Ser Val Asp
20 25

<210> 258

<211> 7

<212> PRT

<213> Homo sapiens

<400> 258

Ser Leu Arg Lys Leu Trp Glu
1 5

<210> 259

<211> 42

<212> PRT

<213> Homo sapiens

<400> 259

Ala Arg Gly Val Cys Lys Val Asp Glu Met Arg Arg Leu Trp Trp Gly
1 5 10 15Gly Val Leu Gly Val Ile Gly Pro Leu Thr Gly Ile Asp Gly Lys Leu
20 25 30Cys Val Gly Arg Pro Val Val Pro Pro Thr
35 40

<210> 260

<211> 50

<212> PRT

<213> Homo sapiens

<400> 260

Leu Ala Leu Arg Leu Ala Gly Leu Glu Gly Ala Ser Thr Leu Asn Leu
1 5 10 15

Gly Glu Ser Ala Ser Val Thr Arg Arg Asn Arg Lys Arg Arg His Pro
20 25 30

Gly Arg Glu Leu Leu Ala Ile Val Ser Ser His Gly Pro Gly Phe Gly
35 40 45

Lys Asn
50

<210> 261
<211> 26
<212> PRT
<213> Homo sapiens

<400> 261
Glu Arg Val Val Thr Leu His Pro Gln Lys Ser Pro Leu Ser Leu Phe
1 5 10 15

Gly Leu Ser Arg Leu Arg Glu Glu Asn Val
20 25

<210> 262
<211> 84
<212> PRT
<213> Homo sapiens

<400> 262
Cys Gly Lys Ser Asn Leu Thr Tyr Pro Asp Val Ser Val Asn Glu Ile
1 5 10 15

Ser Gly Met Arg Met Glu Ile Gln Leu Cys Phe Ser Met Ala Glu Gly
20 25 30

Leu Arg Ile Pro His Pro His Pro Thr Gly Arg Glu Ser Ser Asn His
35 40 45

Pro Thr Trp Gly Ser Glu Asp Met Thr Leu Thr Gln Ser Arg Arg Ala
50 55 60

Glu Ile Glu Thr Leu Pro Pro Val Leu Ser Pro Thr Lys Pro His Gln
65 70 75 80

Ser Phe Ile Asn

<210> 263

<211> 49

<212> PRT

<213> Homo sapiens

<400> 263

Leu Val Asp Ala Asn Tyr Asp Pro His Pro Ser Gly Leu Cys Ser Pro
1 5 10 15Phe Asn Leu Asp Glu His His Pro Arg Leu Phe Thr Gly Pro Pro Glu
20 25 30Ala Glu Phe Gly Tyr Ser Val Leu Gln His Val Gly Gly Gln Arg
35 40 45

Trp

<210> 264

<211> 14

<212> PRT

<213> Homo sapiens

<400> 264

Glu Gly Lys Gln Arg Thr Val Gly Ser Gly Leu Cys Thr His
1 5 10

<210> 265

<211> 9

<212> PRT

<213> Homo sapiens

<400> 265

Arg Gly Gly Pro Val Gln Ala Gly Leu
1 5

<210> 266

<211> 80

<212> PRT

<213> Homo sapiens

<400> 266

Lys Cys Leu Gly Leu His Asp Val Ser Cys Thr Leu Pro Leu Thr Ile
1 5 10 15Leu Arg Thr Met Leu Thr Gly Ser Leu Tyr Pro Tyr Ser Pro Ser Arg
20 25 30Met Leu Val Gly Ala Pro Trp Asp Gly Pro Ser Gly Asp Arg Arg Gly
35 40 45

Asp Val Tyr Arg Cys Ser Ile Gly Gly Phe His Ser Ala Pro Cys Thr
50 55 60

Lys Gly His Leu Gly Lys Lys Pro Asp Leu Ser Pro Ala Asn Ser
65 70 75 80

<210> 267
<211> 16
<212> PRT
<213> Homo sapiens

<400> 267
His Leu Val Thr Leu Thr Pro Trp Thr Leu Ser Ser Met Thr Leu Asn
1 5 10 15

<210> 268
<211> 7
<212> PRT
<213> Homo sapiens

<400> 268
Arg Ser Arg Thr Met Thr Pro
1 5

<210> 269
<211> 43
<212> PRT
<213> Homo sapiens

<400> 269
Leu His Ser Leu Leu Pro Phe Leu Gln Pro Gly Asp Tyr Gln Leu Gly
1 5 10 15

Asn Ser Ser Gln Pro Ala Val Asn Met His Leu Gly Met Ser Leu Leu
20 25 30

Glu Thr Asp Ala Asp Gly Gly Phe Met Val Ser
35 40

<210> 270
<211> 71
<212> PRT
<213> Homo sapiens

<400> 270
Lys Lys Gly Leu Arg Arg Phe Thr Ala Gly Lys Arg Ala Leu Trp Tyr
1 5 10 15

Leu Gly Ser Gly Gly Leu Gly Leu Ser Ser Gln Cys Ser Gly Gly Arg
 20 25 30

Val Arg Pro Asp Leu Gln Ser Glu Leu Gln Asp Ser Gln Gly Tyr Ala
 35 40 45

Glu Lys Pro Cys Phe Glu Lys Pro Lys Thr Lys Thr Asn Gln Thr Thr
 50 55 60

Thr Thr Glu Lys Ala Pro Trp
 65 70

<210> 271
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 271
 Gly Lys Leu Val Cys Ile Glu Glu Thr Arg Asn Ser Lys Pro
 1 5 10

<210> 272
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 272
 Arg Ala Arg Gln Gly Ser Pro Trp Ser Gly Leu His Leu Ser Phe Asn
 1 5 10 15

<210> 273
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 273
 Val Cys Val Pro Arg Gly Pro Leu Lys Pro Gly Asp Asn Tyr Phe Ser
 1 5 10 15

Tyr Pro Pro Arg Pro Val Pro Leu Phe Gly Leu Val Pro Ala Ala Ala
 20 25 30

Leu Ser Ser Val Leu Glu Tyr Val Pro Val Trp Met Leu His Ser Gly
 35 40 45

Pro Arg Glu Ala Trp His Pro Pro Pro Asn Val Ser Gln Trp Lys Gly
 50 55 60

Pro Gly Ser Ser Val Pro Arg
65 70

<210> 274
<211> 118
<212> PRT
<213> Homo sapiens

<400> 274
Gly Cys Trp Val Gly Lys Thr Arg Thr Lys Thr Trp Trp Arg Val Cys
1 5 10 15

Met Ala Ile Leu Ile Ile Pro Lys Cys Ala Cys Arg Arg Gly Ser Cys
20 25 30

Leu Leu Thr Asp Asn Ser Asp Ser Leu Gly Glu Pro Gln Asp Thr Arg
35 40 45

Ile Trp Phe Tyr Gln Leu Lys Asn Lys Thr Lys Gln His Ile Leu Cys
50 55 60

Thr Ala Tyr Pro Ser Ser Ile Thr Cys Pro Pro Tyr Leu Ile Phe Val
65 70 75 80

Gly Leu Ile Asp Ala Lys Ser Ala Leu Ser Tyr Trp Val Leu Pro Ser
85 90 95

Cys Leu Ser Tyr Thr Phe Leu Ser Thr Ala Phe Trp Glu Ile Val Leu
100 105 110

Cys Ser Pro Gly Cys Pro
115

<210> 275
<211> 15
<212> PRT
<213> Homo sapiens

<400> 275
Ser Trp Asn Leu Leu Ala Ser Ala Ser Gln Ser Gln Val Leu Gly
1 5 10 15

<210> 276
<211> 17
<212> PRT
<213> Homo sapiens

<400> 276
 Ala Cys Ile Val Cys Leu Ala Phe Ala Glu His Ala Leu Cys Gly His
 1 5 10 15

Trp

<210> 277
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 277
 Gly Met Ser Gln Ile Leu Pro Ser Pro Thr Thr His Thr Gln Thr Lys
 1 5 10 15

Val Arg Leu Ser Lys Cys Ser Ile Ala Gln Gly Ser Gly Arg Pro Leu
 20 25 30

Ala Ser Ala Tyr Phe Ile Leu Leu Leu Cys Pro Ser Leu Leu Ser Leu
 35 40 45

Ile Ser Thr Leu Gly Thr Trp His Ser Thr Phe Leu Val Ile Lys Arg
 50 55 60

Glu Phe Pro Phe Lys Cys Leu His Cys Ser Val Leu Leu Gly His Ser
 65 70 75 80

Pro Leu Leu Thr Thr Pro His Ile Leu Pro Cys Phe Leu Phe Pro Ile
 85 90 95

Thr Met Pro Pro Phe
 100

<210> 278
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 278
 Ala Val Pro His Thr Trp Met Ser Ser Leu Phe Trp Met Ala Pro Thr
 1 5 10 15

Val Ser Ile Pro Gly Gln Lys Phe Arg Leu Ser Phe Gly Gly Trp
 20 25 30

<210> 279
<211> 11
<212> PRT
<213> Homo sapiens

<400> 279
Glu Asp Cys Ser Ser Ile Arg Ser Arg Tyr Arg
1 5 10

<210> 280
<211> 12
<212> PRT
<213> Homo sapiens

<400> 280
Glu Lys Asp Met Trp Ile Gly Leu Glu Gly Lys Lys
1 5 10

<210> 281
<211> 7
<212> PRT
<213> Homo sapiens

<400> 281
Thr Leu Leu Asp Pro Trp Met
1 5

<210> 282
<211> 25
<212> PRT
<213> Homo sapiens

<400> 282
Ala Ala Met Ser Ser Leu Leu Met Thr Pro Trp Asp Ile Val Phe Tyr
1 5 10 15

Arg Thr His Ala Gln Glu Leu Cys Asn
20 25

<210> 283
<211> 11
<212> PRT
<213> Homo sapiens

<400> 283
Leu Thr Lys Lys Ser Gln Lys Phe His Asn Val
1 5 10

<210> 284
<211> 18
<212> PRT
<213> Homo sapiens

<400> 284
 Ser Lys Phe Met Ile Val Trp Gly Ala Thr Leu Arg Ala Ser Leu Cys
 1 5 10 15

Cys Leu

<210> 285
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 285
 Leu Leu Gly Gln Cys Met Pro
 1 5

<210> 286
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 286
 Thr His Leu Phe Thr Ser Pro Ser Ser Cys Cys Arg Leu Asp Thr Pro
 1 5 10 15

Val Arg Gly Ser Leu Pro Leu His Pro Leu Cys Ser Ile Phe Ser Thr
 20 25 30

Leu Phe Ile His Pro Met Trp Ala His Gly Leu Leu Phe Ser Gly Arg
 35 40 45

Thr Gly Thr Val Arg Gly Glu Pro Cys Ala
 50 55

<210> 287
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 287
 Val Val Pro Gly Arg Leu Pro Asn Lys Gly Arg Ser Cys Glu Ser Ser
 1 5 10 15

Lys Glu Pro Lys Ser Glu Gly Arg Ala Arg Asn Glu Asn Arg Pro Ser
 20 25 30

Asp His Gly Gly Met Val Arg His Cys Lys Gly Val Val
 35 40 45

<210> 288
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 288
 Gly Arg Arg Lys Asp Gln Gln Gly Glu Gly Glu Leu Glu Cys Ser
 1 5 10 15

Val Tyr Ile Thr Arg Cys Ser Gly Arg Leu Ser Leu Ser Ala Cys Gln
 20 25 30

Lys Phe Val Glu Glu Gly
 35

<210> 289
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 289
 Val Ala Val Thr Ile Leu Ser Leu Thr Val Phe Ala Phe Tyr Gly Val
 1 5 10 15

Cys Gly Cys Ile Ser Pro Cys Leu Phe Cys Phe Cys Thr Gln Asn Ser
 20 25 30

Ile Phe Pro Leu Leu Leu Arg Gln Phe
 35 40

<210> 290
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 290
 Tyr Leu Ala Ser Gln Pro Leu Thr Pro
 1 5

<210> 291
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 291
 Tyr Ser Phe Gln Thr
 1 5

<210> 292
<211> 6
<212> PRT
<213> Homo sapiens

<400> 292
Thr Ser Gly Glu Ala Thr
1 5

<210> 293
<211> 9
<212> PRT
<213> Homo sapiens

<400> 293
Pro Asp Cys Leu Tyr Ser Pro Val Pro
1 5

<210> 294
<211> 14
<212> PRT
<213> Homo sapiens

<400> 294
Ser Cys Gln Pro Lys Cys Leu Leu Asn Glu Ser Ile Asn Lys
1 5 10

<210> 295
<211> 47
<212> PRT
<213> Homo sapiens

<400> 295
Cys Leu Tyr Ile Phe Thr Leu Met Thr Asp Tyr Phe Ile Cys Ser Val
1 5 10 15

Pro Ser Lys Gln Ser Ser Cys Asp Ser Val Pro Val Cys Met Leu Asp
20 25 30

Thr Val Gly Glu Trp Cys Arg Arg His Leu Thr Ser Val Asn Cys
35 40 45

<210> 296
<211> 25
<212> PRT
<213> Homo sapiens

<400> 296
Tyr Thr Ile Arg Ala Cys Leu His Ala Ser Leu Cys Val Cys Ala Cys
1 5 10 15

Ile Cys Thr His Ile His Met Thr Ile
20 25

<210> 297
<211> 100
<212> PRT
<213> Homo sapiens

<400> 297
His Ser Phe Ile Ser Leu Leu Ser Thr Glu Gly Phe Ser Gln Ser Arg
1 5 10 15

Gly Gly Arg Pro Glu Ala Ala Arg Leu Leu Val Val Val Thr Asp Gly
20 25 30

Glu Ser His Asp Gly Glu Glu Leu Pro Ala Ala Leu Lys Ala Cys Glu
35 40 45

Ala Gly Arg Val Thr Arg Tyr Gly Ile Ala Val Arg Leu Asp Gln Val
50 55 60

Gln Leu Phe Cys Phe Val Leu Tyr Arg Val Cys Val Cys Val Cys Val
65 70 75 80

Cys Val Cys Val Cys Val Cys Val Ile Cys Val His Ala Ser
85 90 95

Val His Ile Pro
100

<210> 298
<211> 34
<212> PRT
<213> Homo sapiens

<400> 298
Cys Val Tyr Ala Gly Gln Arg Thr Thr Ser Asp Val Gly Pro His Leu
1 5 10 15

Pro Ser Cys Ser Lys Leu Asp Ile Leu Phe Thr Ser Ala Tyr Asn Lys
20 25 30

Pro Asp

120

<210> 299
<211> 48
<212> PRT
<213> Homo sapiens

<400> 299
Leu Thr His Lys Ser Trp Ala Gly Leu Leu Ser Gln Pro Pro Val Ser
1 5 10 15

Trp Phe Glu Ala Phe Trp Asn Leu Gln Ile Ser Leu Ile Ser Asn Ser
20 25 30

Cys Ser Pro Gly Asp Pro Leu Val Leu Glu Arg Pro Pro Pro Arg Glu
35 40 45